Bits & Chips

of the Gateway Computer Club

VOLUME 06

1989

No. 01-12

Bits & Chips
of the Gateway Computer Club

Volume 8 | January, 1989 | Number 1

THE LAST COLUMN---

By Joel Hillyard

I must admit that as I sit and write this I do so with somewhat mixed emotions. It will be nice to have no responsibilities, but I know that I will miss being a part of the inner workings of the GATEWAY COMPUTER CLUB. It was my privilege to work with a group of officers who were and are truly dedicated to bringing you the very best club possible. What successes we have enjoyed during the past two years should be attributed to these officers.

There was never a time when I asked anyone to work at a task and was refused. This includes the general membership as well as the officers. I was always very thankful for this. However, I consider the greatest of my failings, my inability to get many of you really involved and to get you to volunteer to accept responsibilities and offices. I am very much concerned about this. It is your club and you make it so by taking an active role. I have conveyed this deep concern to your new president and have urged him to work toward getting more of you deeply involved.

At the risk of missing someone, I must name a few names. I would be remiss if I failed to recognize the outstanding contributions that have been made on your behalf to the GATEWAY COMPUTER CLUB. Bob Suarez Here was a man who I really considered my friend, but more than that, he was truly concerned with the well-being of our club. He was always ready to help and always did a superb job. We miss him. The Welkers--Ken and Juanita No organization has ever been better served by a man and wife. They always do an outstanding job. I never checked to see what they did. It would be excellent. These are two fine people and I am proud to have served with them for two years. Tom McDonald Here is a man who had some very big shoes to fill. He has done a fine job. Ken Jeffress and Jim Tomlinson Theirs was often a thankless job. It takes long hours and real work to download and prepare the D.O.M.s we all enjoy, but they always had an excellent disk ready for us to enjoy. Earl Salmons, Dan Deutschmann, Rich Koerper, and Everett Truttmann These MALs are really the ones I depended upon when we needed a job done. They really worked for the good of our organization. In addition to the other things I heaped on him, Everett also served as our membership chairman and did an excellent job. Earl always kept me on my toes. Not much escapes him.

(continued on page 2)

Comment

THE CLUB

The Gateway Computer Club is a not-for-profit organization of like-mined Commodore computer users. Membership fee is $15 per year. Members receive access to the club's public domain library, educational programs, literature and monthly "Bits & Chips." Direct all membership applications and questions to the Gateway Computer Club c/o P.O. Box 1839, Fairview Heights, IL 62208. Only public domain programs are kept in the G.C.C. library. Reproduction of copyrighted software is not promoted nor condoned by the G.C.C. and will not be tolerated at club functions.

THE OFFICERS

PRES.:Rich Koerper.....452-5110
V. P.:Jim Tomlinson.....624-3872
SEC. :Earl Salmons.....397-5029
TREAS.:Ken Welker.....234-5901
LIBR. :Rick Keller.....345-7207
EDITOR:Bertha Koerper...452-5110
M.A.L.:Dan Deutschmann..588-4721
M.A.L:Everett Truttmann.632-4735
M.A.L.:Pat Langa.....242-0282
M.A.L.:Bill Broda.....533-0148

BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, Il. 62040. Camera-ready advertising must be received by the first of the month to be included in the issue of that month. Rates are as follows: Full Page - $30; Half Page-$15. and Quarter Page-$7.50.

Contents of the "Bits & Chips" may be reprinted by other club newsletters if accompanied by the author's name and credit it given to the GATEWAY COMPUTER CLUB. The G.C.C. assumes no liability for errors in articles or advertisements.

The Last Column
(continued from page 1)

I would also like to thank Terry Renaud and his daughter who take care of our refreshments at the meetings. Art Koenig has always been willing to help when I asked him to do something. And the list goes on..... Lastly, I would like to thank all of you. I consider it a real privilege to have served you and to be a part of your club. I really thank YOU for this. It's been fun!

My Congratulations and Best Wishes to the new officers. I hope all of you get as much fun and enjoyment from serving as I did.

Christmas 88

The Gateway Computer Club was honored at its December meeting to be entertained by the Heathertones. We also had a visit from that jolly old elf from the North Pole. The table of cookies and punch added a festive note to the evening. Thanks to Earl and Martha for all the help and the flowers.

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STOP AND COMPARE.

Gateway Computer Club
Membership/Renewal Form

Date_____ No._____

Name:_____ Computer:_____
Adress:_____ Disk Drive:_____
City:_____ Monitor or TV:_____
State:_____ Zip:_____ Printer:_____
Home Phone No.:_____ Modem:_____
Dues Paid:$_____ Other:_____

COPYRIGHT CONSENT

By Signing this form and joining the Gateway Computer Club. I hereby agree and consent to abide by the constitution and bylaws of the GCC and the rules concerning copyrighted software and will not copy such software at any club function.

I also agree to allow my name, address, telephone number and other information provided above to be used by the GCC for club distribution and related mailing lists.

Signature:_____

WELCOME TO THE NEW MONTHLY AMIGA D.O.M.

By Jim Tomlinson

CR - Here is a handy little program for reading those documents that are just laying around. CR stands for Click Read and all the documents on the months D.O.M. use it. Just copy sthe clickread.doc.info to the name of the doc on disk and put CR in your root or KC directory and you can easily persue any file.

MACH II - Here is a great little mouse accelerator that also features a nice on-screen clock. Just click the MACH II icon to run it. Documentation is also included: just click on the MACH II.DOC icon.

ULTRAPAINT - When I first started playing with my Amiga, I really wanted to get a paint program that would work in HI-RES mode. Well, here is one from the public domain! Click it's doc icon to learn more!

SORRY - As most people have, I played the game of SORRY as a kid on a board, well this is the official version from Parker Brothers and it is neat! This game made me want to play it forever!

BILLIARDS - So, you fancy yourself a great pool player! Well this game of billards is about the best and will let you know if you really are good.

STEVIE - Stevie is a programming editor for use from the CLI only. It is full featured and the Doc file is viewable from the WORKBENCH.

NOCLICK - If you are like me the disk clicks drive you crazy! What this program does is stop those annoying clicks one and for all. This must be run from the CLI.

C-64 D.O.M. C-64

By Rick Keller

DCRM

This Program is one of the best I have seen. You can put a disk with programs into your disk drive and catalog them straight into your file. Or, you can type them in from the keyboard. You catalog them by name and a four character ID.

QUIX

This is a game I found. You try to cut sections out of the screen by cutting across the screen. You must clear approximately 75 % of the screen to move on to the next screen.

DODGE CITY POKER

Play poker against 6 computer players.

SNO-CAT

You are a ranger, your job is to rescue skiers at the Mount Crumb ski lodge

C-128 D.O.M. CP/M

(By Tom McDonald)

GCC 128 DOM JANUARY 1989

PENPAL-80

This is a database and a mail list for the 128. The program includes the following:

Help screens for all menu functions.
Full on-screen editing of all records.
User friendly, with pull-down menus and dialogue boxes.
Supports searches on three fields or with user defined key codes.
Provides a scratch pad function to store key code definitions.
Sorts on three fields.
Prints records as paged reports, or as mailing lists.
Can store up to 500 records on a single disk!
Supports any number of data disks.

IBM-FILECONVERTER

Used to translate to and from CP/M-86 and IBMPC-DOS files. It can read ways including IBM directories. Program is user friendly with on screen instructions.

10 FUNCTION KEY REDEFINE

Used for redefining C-128 mode function keys. It also can redefine the escape and run/stop keys.

DISK-DUMP

Dumps programs sto printer in HEX or TEXT modes.

Reports

Regular Meeting Minutes
December 22, 1988

By Juanita Welker

The Meeting was called to order by President Joel Hillyard. All Board members were present with the exception of Ken Hicks and Dan Deustchmann.

A motion was made and seconded to dispense with the reading of the minutes from the last regular meeting.

A motion was made and seconded to dispense with the reading of the Treasurers report.

Old Business:

It was announced that the installation of officers will take place at the January meeting.

A Christmas card was made available for Linda Suarez. Each member present was asked to sign it.

Juanita Welker announced that she would continue to take orders for jackets and T shirts for this month.

New Business:

None

President then asked if any one was having any problems with equipment or software. There were none. The meeting was then adjourned.

TREASURER'S REPORT

By Tom McDonald

	BALANCE DEC. 1, 1988	$845.79
I	MEMBERSHIP	$ 90.00
N	D.O.M. SALES	$ 18.00
C	BLANK DISK	$140.00
O	50/50 RAFFLE	$ 5.00
M	ADVERTISEMENT	$ 15.00
E	CAPS & JACKETS	$ 24.90
	DEC. INCOME	$292.90
E	DOWN LOADS	$ 28.91
X	MISC	$ 49.24
P	ENTERTAINMENT	$ 40.00
E	COSTUME	$ 10.00
N	NEWS LETTER	$ 59.64
S	BLANK DISKS	$204.50
E		
	DEC. EXPENSE	$388.29
	CURRENT BALANCE	$750.40
	AS OF JANUARY 1, 1989	

MEMBERSHIP REPORT

There are four members of the GCC that are reminded to renew their membership by the January meeting to be able to continue to participate in the club. They are: Laura Blackwell, Brian Goedelman, Joel Hillyard and Jimmy Wells. Please renew your membership at the January meeting and maintain your status within the club without a break.

A member can renew their membership either by mail or in person at the January meeting.

Any member can renew their membership and extend their dues twelve months from their current expiration date.

All members MUST have a valid membership card to vote on club matters and participate in our copy sessions.

Reports

1989 CALENDER

JANUARY

18 Regular meeting - Installation of Officers 7:00 P.M.
25 Board Meeting 7:00 P.M.

FEBRUARY

15 Regular meeting 7:00 P.M.
22 Board Meeting 7:00 P.M.

MARCH

15 Regular Meeting 7:00 P.M.
22 Board Meeting 7:00 P.M.

APRIL

19 Regular Meeting 7:00 P.M.
26 Board Meeting 7:00 P.M.

MAY

17 Regular Meeting 7:00 P.M.
24 Board Meeting 7:00 P.M.

JUNE

21 Regular Meeting 7:00 P.M.
28 Board Meeting 7:00 P.M.

JULY

19 Regular Meeting 7:00 P.M.
26 Board Meeting 7:00 P.M.

AUGUST

16 Regular Meeting 7:00 P.M.
23 Board Meeting 7:00 P.M.

SEPTEMBER

20 Regular Meeting 7:00 P.M.
27 Board Meeting 7:00 P.M.

OCTOBER

18 Regular Meeting 7:00 P.M.
25 Board Meeting 7:00 P.M.

NOVEMBER

15 Regular Meeting 7:00 P.M.
22 Board Meeting 7:00 P.M.

DECEMBER

20 Regular Meeting 7:00 P.M.
Merry Christmas!!

27 Board Meeting 7:00 P.M.

LOOKING BACK!!!!

By Juanita Welker

As my term as Secretary closes I would like to take this opportunity to thank all of the members that helped me during my time in office. It was appreciated and made my job a lot easier.

I will look back on many fond memories of past computer fairs, Christmas parties etc. etc. etc.

I guess somebody has to take Earl's place as the devils advocate and keep the pot stired. I don't know if I can fill those shoes.

As I become one of the regular members maybe I can be of some help to members with problems.

My congratulations to the new board and hope that they will receive much needed support from all of the membership.

SOS Computers

Commodore

Commodore C64	$129.95
C1541c Disk Drive	$199.95
C1802 Color Composite	$199.95
MPS-1250 Printer	$249.95
Commodore 128D	$449.95
1571 Disk Drive	$259.95
C1084S Stereo RGB Mon.	$339.95
1581 3 1/2 Disk Drive	$199.95
C1351 Mouse C64/C128	$39.95
C-1350 Modem 300 Baud	$29.95
C1670 Modem 1200 Baud	$79.95
Commodore Colt	$599.95
C1901 Monochrome TTL	$79.95
C1764 RAM Expander 64	$129.95
C1700 Ram Expander 128	$99.95
C1750 Ram Expander 128	$179.95
A1680 Modem 1200 Baud	$129.95

Joysticks

Winner 100	$7.46
Winner 220	$14.21
Wico The Boss	$13.46
Wico 3-Way	$24.71
Wico Bat Handle	$19.96
Tac 5	$14.96
Tac 3	$11.99
Slik Stick	$5.99
Star Fighter	$8.63
Tac 2	$10.49
Kraft Mazemaster	$7.96
Kraft Ace	$4.39

Disks & Cases

Disks Packs

Bonus 11 Pk 5.25" DS/DD	$5.95
Bonus 11 Pk 3.5" DS/DD	$15.95
Fuji 10 Pk 5.25" SS/DD	$7.95
Fuji 10 Pk 5.25" DS/DD	$9.95
Precision 10 5.25" DS/DD	$5.95
Percision 10 3.5" DS/DD	$14.95

Disk Cases

40 3.5" Disk Case	$5.95
80 3.5" Disk Case W/Lock	$9.95
50 5.25" Disk Case	$6.95
100 5.25" Case W/Lock	$9.95

Bulk Disks

5.25" DS/DD Single Disk	$.59
5.25" DS/DD 10 Pack	$4.95
5.25" DS/DD 25 Pack	$11.25
5.25" DS/DD 50 Pack	$19.50
5.25" DS/DD 100 Pack	$34.95
5.25" DS/DD Color Disks	$.89
3.5" DS/DD Single Disk	$1.50
3.5" DS/DD 10 Pack	$13.95
3.5" DS/DD 20 Pack	$24.95
3.5" DS/DD 50 Pack	$60.00

We Do In-House Repair Work

Amiga

Amiga 500

7.16MHz MC68000 Microprocessor
512k to 1Mb Internal RAM
Upto 9.5Mb RAM Total
4096 Color Pallette
Max. Resolution over 640x400
4-Voice 9-Octave Stereo Output
Multitasking Operating System
System Software & Amiga Basic

SOS Low Price	$649.95
W/1084s Stereo RGBI/A Monitor	$949.95

Amiga 2000

7.16MHz MC68000 Microprocessor
1Mb RAM Expands to 9.5Mb
Built-In 880k 3.5" Drive
Twin 3.5" 880K Disk Drive Bays
Half-Height 5.25" Drive Bay
Keyboard & Amiga Mouse
Max. Resolution over 640x400
4-Voice 9-Octave Stereo Output
Multitasking Operating System
System Software & Amiga Basic
5 Internal Amiga Slots
4 Interal IBM Slots
Optional IBM compatibility

NOW INCLUDES KICKSTART 1.3 ROMS

SOS Sale Price	$1595.00
W/1084s Stereo RGBI/A Monitor	$1895.00

Amiga Accessories

DigiView	$149.95
Panasonic Camera&Lens	$239.95
WorkBench 1.3	$29.95
Supra 20 Meg H.D.	$695.95
Supra 30 Meg H.D.	$749.95
Supra 60 Meg H.D.	$1495.95
Air Drive 3.5" Ext.	$159.95
Master 3A 3.5" Ext.	$189.95
Pheonix 3.5" Internal	$159.95
Printer Cable 500/2000	$16.95

Monitors

Magnavox

8762 RGB/Composite	$269.95
8764 RGB/Composite	$269.95
515 RGB/Comp./ANALOG	$299.95
9CM053 EGA	$379.95
Color Composite	$199.95
TTL (Amber)	$69.95

Commodore

1901 Monochrome (Green)	$99.95
1802C Color Composite	$199.95
1084s (Stereo Audio) RGBI/A	$339.95

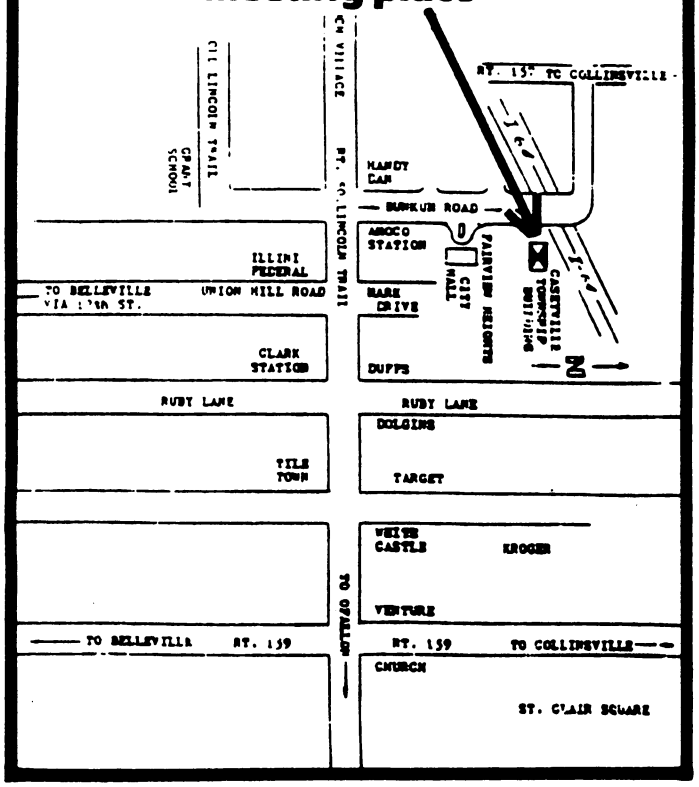
Other

GoldStar TTL (Green)	$69.95
Xtron Flat Scrn Page-White	$139.95

STORE HOURS:
Mon-Fri 10am-9pm
Saturday 9am-9pm
Sunday Noon-6pm

Market Place Shopping Center
Corner of I-64 and 159
Next to Best Buy
Fairview Heights, IL 62208
(618) 398-8200

Gateway Computer Club meeting place



GCC Directory

Next Meeting:

January 18, 1989

Next Exec. Bd. Meeting:

January 25, 1989 - 7 PM
(Dohack's Restaurant)

Next Copy Session:

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

GATEWAY COMPUTER CLUB
P.O. Box 1839
Fairview Heights, IL 62208

Volume 8 | January, 1989 | Number 1

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 8 February 1989 Number 2

FROM THE DESK OF: DICK KOERPER

I look forward to this upcoming year with high hopes and great expectations. To be totally honest though I need your help to see some of these hopes come to fruition. You see I look at the officers of our computer club, the members at large, and the committee chairpersons as the back bone of our computer club, and they should be, for as the backbone holds you up, so does the board of an organization. But my fellow computerists, it has to be remembered that without the body to support the backbone, they would be just a clump of bones on the ground. So as with the board, no matter how strong the board it will not stand without the support of the organization. So please come forward and offer your help and support, so that together we can help this club grow to be the best it can be, and be as helpsuf as it can be to all our members.

On a lighter note, so for the calender looks excellent, but don't just take my sord for it, check it out yourself.

FEBRUARY:
President's choice-SURPRISE!!!

MARCH:
Commidore 64 graphics demo (bring your portable T.V., extension cord, and multiple outlet cord). By: Bill Broda

APRIL:
Copy session/MS DOS tutorial. By: Jim Tomlinson

MAY:
AUCTION!!! Grab your stuff and your friends and come have some fun.

JUNE:
Possible retail outlet demonstration.

JULY through DECEMBER to be announced.

Sounds good so far. Well in closing let me again say please seek out your officers and committee chairpersons and offer your time and help. Also don't forget the board meetings are at Dohack's the fourth Wednesday of the month and open to all. See you Wednesday.

Comment

THE CLUB

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BITS & CHIPS

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MEMBERSHIP REPORT

We have one new member in the G.C.C., Sandy Johnson from Swansea, IL. Welcome to the club Sandy! There are eight members that are reminded to renew their membership by the February meeting to be able to continue to participate in the club. They are: Walter L. Boone, Daniel Deutschmann, Will Kling, Brad Krieg, Richard Sadowski, Sylvia Titchenal, Lester Wiles, and Darlene Williamson. A member can renew their membership either by mail or in person at the monthly meetings. Any member may also renew their membership and extend their dews twelve months from their current expiration date. All members MUST have a valid membership card to vote on club matters and participate in our copy sessions.

C-64 D.O.M. C-64

By: Rick Keller

ROULETTE

This is a simple Roulette game for the comodore.

SOUNDS-47

This is 47 sound effects for your computer.

TINY DIR3

This program is used to Dump a directory to the printer.

1541 CLEAN AID

This program is used to run your drive so you can clean it with a cleaning disk.

DRIVE 9 CLEANER

Does the same as the clean aid but for drive 9.

BLACK JACK 64

A Black Jack game. You have $2000 to start with.

CRAPS

Play craps on your computer.

NAME THIS TUNE

This is a good program, but very hard - at least for me!

C-128 D.O.M. CP/M

By Jim Tomlinson

GCC 128 D.O.M. FEBRUARY 1989

BY: TOM McDONALD

THE C-128 D.O.M. IS A COMBINATION OF SEVERAL SMALL PROGRAMS AND SMALL DEMOS THAT CAN BE USED ALONE, TOGETHER, OR WITH OTHER PROGRAMS. SOME OF THE PROGRAMS ARE:

DRAW N PAINT

DOODLE VIEWER

80 COLLUM DRAW

TONE MONO SYNTHISIZER

IBM GRAPHIC EXPANSION FOR AN IBM CONVERSION

AND MUCH, MUCH MORE!!!!!

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ST. LOUIS, MO 63114

Comment

AMIGA FEBRUARY D.O.M FOR THE G.C.C

BY: JIM TOMLINSON

Amiga Moria 3.0

Moria is a dungeon adventure game in the manner of Rogue, Hack, Larn,etc., but not descended from Rogue. Moria was originally created by Robert Alan Koeneke for a VAX 780 (a supermini computer). It is a game similar to the above games in that it involves wizards, warriors, scroll, potions, magic. In order to win the game the player must perform certain tasks. In this case he/she must destroy the Balrog that lurks in the lower levels of the dungeons below your village. Moria, however is much bigger and more detailed than the other D&D type games, and requires considerable dedication, and determination to triumph over the forces of evil. For a much more detailed description of Moria see the Moria documentation file (MORIA.DOC). The specific changes for this version are discussed in the file MORIA_CHANGE.NOTES. This change features better font handling, nice pictures when entering the dungeon and winning(or losing) and going down a flight of stairs.

In order to play Moria, you must first configure your system properly. Because Moria is so big and so complex, it can only be played on Amigas with at LEAST 1 MEG of memory (two drives are nice, but not really necessary).

P.S If this article looks familiar it's because it is taken from the Moria readme file. Good Luck!

Reports

Minutes-Meeting, January 18, 1989

By: Earl Salmons, Secretary

Meeting was opened at 7:10 p.m. by President Joel Hillyard. Secretary Welker read the minutes of the previous meeting, which were approved. Treasurers report was read by Tom McDonald, and was approved. The Audit Committee report was presented by Juanita Welker, which showed everything in order. President Hillyard presented Juanita Welker with a plaque as the winner of The Bob Suarez Award. A desk set was presented to outgoing President Hillyard for his years of service to the club.

Carlos Mariles installed the new officers for 1989. The New Officers are Rich Koerper, President; Jim Tomlinson, Vice President; Earl Salmons, Secretary; Ken Welker, Treasurer; Rich Keller, Librarian; Bertha Koerper, Editor; and the following Members at Large: Dan Deutschmann, Everett Truttmann, Pat Langa, and Bill Broda.

President Koerper assumed the chair and asked all committee chairpersons to stand and tell what committee they chaired. Committees and chairpersons are: Bill Broda, Fund Raising; Earl Salmons, Computer Fair; Larry Briggs, Advertising; Juanita Welker, Publicity; Everett Truttmann, Membership.

General Discussion Followed.

Brad Sager, grandson of Nat Price, drew the ticket for the 50/50 drawing. Earl Salmons, won $11.00.

The meeting adjourned at 8:45 p.m.

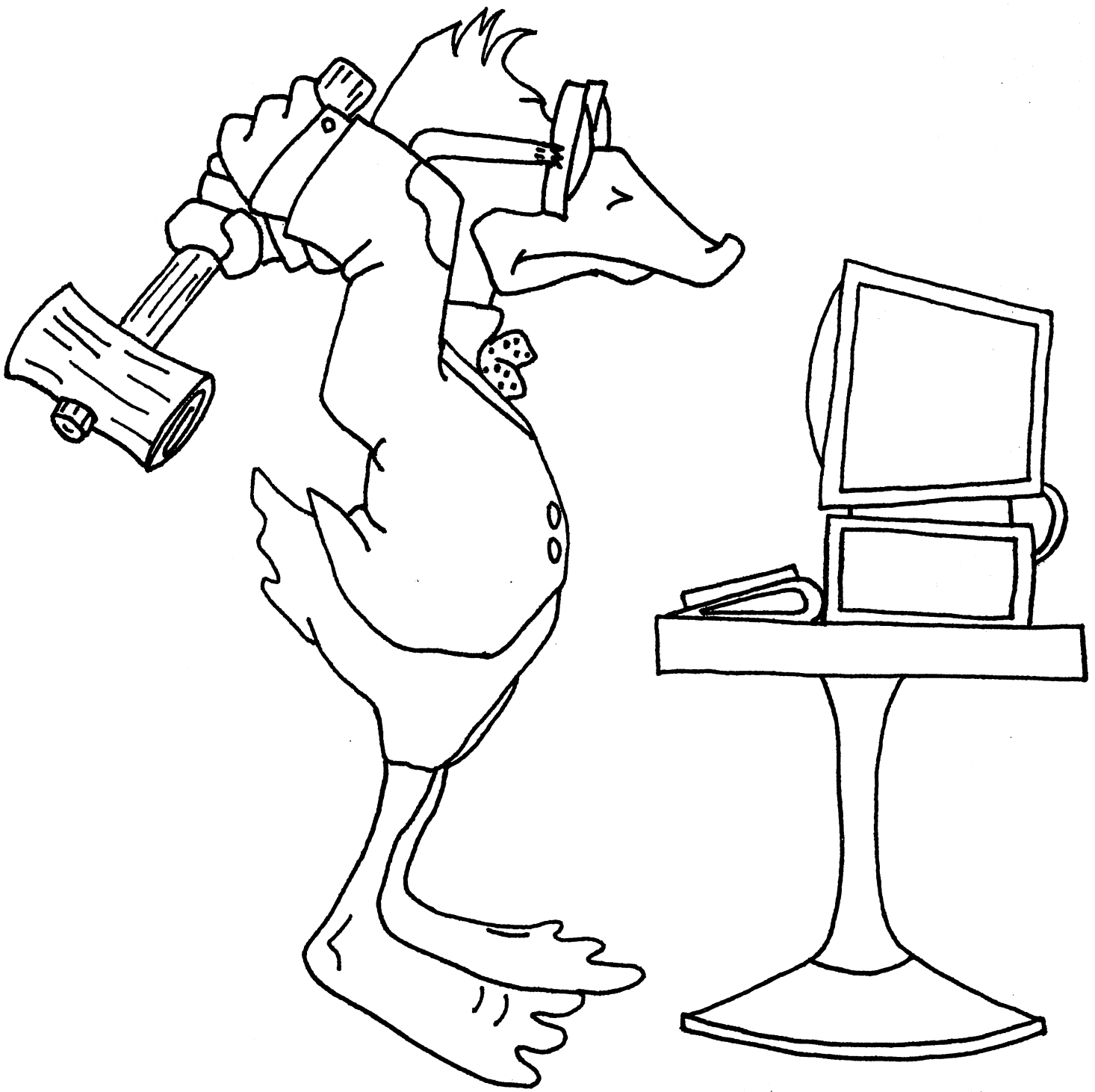
TREASURER'S REPORT
By Ken Welker

Balance Jan. 1, 1989.$1088.34

I	Void check	$ 42.00
N	D.O.M. SALES	$ 55.00
C	BLANK DISKS	$108.00
O	MEMBERSHIP	$ 60.00
M	50/50 RAFFLE	$ 2.00
	ADVERTISEMENT	$ 15.00
JAN. INCOME		$284.50

E	BLANK CHECKS	$ 11.15
X	NEWS LETTER	$ 78.81
P	BLANK DISKS	$284.50
E	DOWN LOADS	$ 66.91
N	P.O. BOX RENTAL	$ 36.00
S	FLOWERS	$ 21.64
E	SODA SUPPLIES	$ 6.42
	TROPHIES	$ 68.60
	CASEYVILLE TOWNSHIP	$ 50.00
JAN. EXPENCES		$544.03

CURRENT BALANCE.....$748.81
AS OF FEB. 1, 1989



"HIT ANY KEY TO CONTINUE"

THE 1571 & 1750 SHORTAGE

As many of you are aware, in recent months there has been a shortage of both the 1571 disk drive and the 1750 REU (Ram Expansion Unit). We at RUN have had many, many phone calls and letters from users both desperate and angry because this needed hardware is nowhere to be found.

Mail order companies have begun telling their customers that they have been discontinued and that Commodore will not ship them any longer. Dealers find that regardless of the demand their shelves can't be restocked. GEOS 128 users are particulary troubled, because for them the REU is almost a necessity. Because of these complaints, I started asking questions of knowledgable individuals at Commodore. Here is what I have been told.

Based on orders from its dealers and distributors, Commodore attempts to anticipate the number of units it will need over a period of time. Then "Build Plans" are issued, authorizing this number to be made. Since they do not wish to maintain any substantial inventories, they don't produce much beyond that. According to them they are meeting ALL the orders they are receiving, and are not delaying any shipments. Again, according to some of these people (who should know) they are not getting any complaints.

So what's the truth? Obviously there is a real shortage of products out there. And I for one don't think these dealers and mail-order houses, who are in business just to sell you what you need are both turning down orders from users AND refusing to order stock from Commodore. That would be very poor business sense, and companies that act so irresponsibly aren't going to be around too long.

But since Commodore is also in business to make money, shouldn't this very same basic business fact be true of them? In all my years of dealing with this company, I have never known of them turning away from an outstretched hand that was offering ;them money. Yet this does seem to be the case. It almost seems they are making a conscious effort to discourage 8 bit owners (especially those with 128's) from expanding their systems.

But again, no matter how hard they have tried to avoid it, Commodore still sells a tremendous number of 8 bit computers. In fact this past year has shown and actual increase in sales over the year past, and software publishers are reporting the same trend in their sales of C64 and C 128 software.

At the World of Commodore in Philadelphia last month I had several companies tell me that every C128 title they had was selling out faster than they

could restock. And more and more new and impressive C64 games are appearing all the time. Sears Reports the C128D is their number one selling computer. So there is still quite a lot of demand and life left in this market.

What appears to be happening at Commodore is that, while there is no official policy of discouraging 8 bit sales, almost everyone there thinks entirely about the Amiga and MS-DOS line of computer. C64's and C128's are old hat, not new or exciting.

Individual perceptions, not corporate policy, is causing marketing managers to make ultra conservative, and in many cases, completely wrong estimates of market strength for the C64 and C128. The danger to everyone, from user to manufacturer is that this can become a self fulfilling prophecy.

For Commodore, their obvious lack of concern and activity for the systems that built the company will not go unnoticed by the Commodore community. C64 or C128 users who might be considering upgrading to Amiga's or CBM manufactured MS-DOS clones just might begin thinking about what will happen to them in a couple of years, when these computers are no longer the latest and greatest.

THE ABOVE WAS DOWNLOADED FROM QUANTUM LINK!!!!!

GATEWAY COMPUTER CLUB
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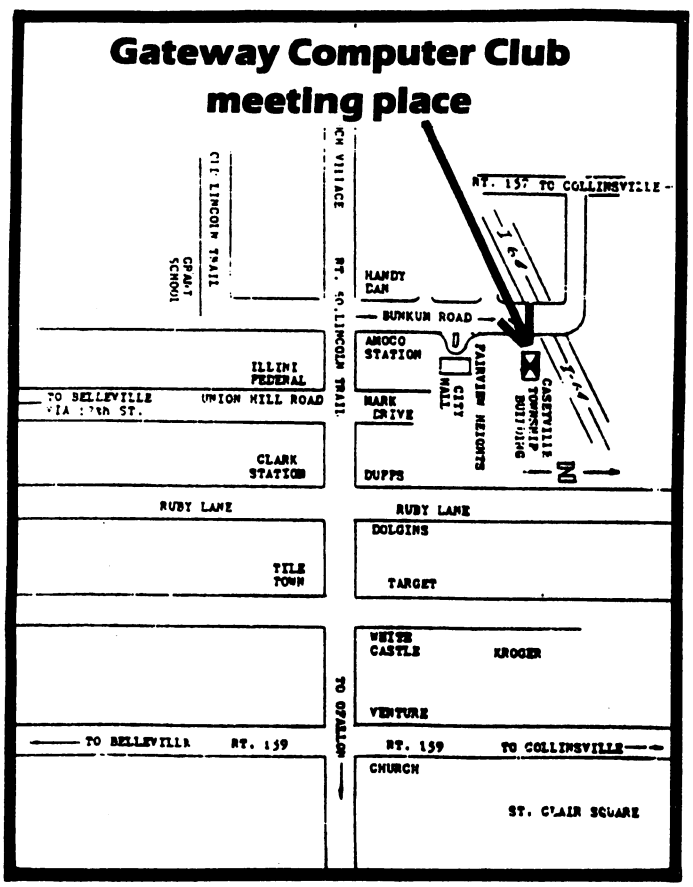
Gateway Computer Club meeting place



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February 15, 1989

Next Exec. Bd. Meeting:

February 22, 1989 - 7 p.m.
(Dohack's Restaurant)

Next Copy Session:

April 19, 1989

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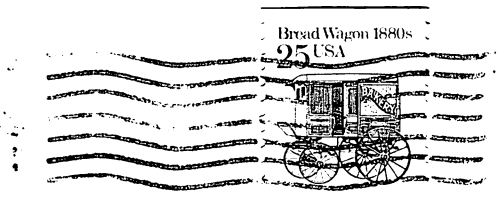

Volume 8 February, 1989 Number 2

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 8 March 1989 Number 3

FROM THE DESK OF: DICK KOERPER

Another month and the editor of this newsletter expects me to write, so here I am writing!

Speaking of the newsletter, you will notice a new article in this month's. It's an article written by Pat Langa and from what I have read of it so far it sounds fascinating, and to add to it what is included in this newsletter has as a part of it's title, the phrase "PART 1" which of course means more parts in the future issues. Keep it up Pat.

There has been a slight change in the agenda for this month's meeting, no, Bill will still be there with his graphics demo so bring your portable T.V.'s, extension cords, and multiple outlet strips, but in addition to Bill, Larry Briggs will be giving a demonstration on digitizing photos and stills from vidoe tape. So be there and you may be digitized. You can read more about this in Larry & Scott Moats article included in this news letter. Remember even though the demo is being done on an Amiga, I have seen digitized photos on the 64 and 128. Speaking of seen, see you at the meeting.

CALANDER OF EVENTS:

MARCH:
Commodore 64 graphics demo (bring your portable T.V.'s, extension cord, and multiple outlet cord). By Bill Broda. Also, Larry Briggs - digitizing demo.

APRIL:
Copy session/MS DOS tutorial. By: Jim Tomlinson.

MAY:
AUCTION!!! Grab your stuff and your friends and come have some fun.

JUNE:
Possible retail outlet demonstration.

JULY through DECEMBER to be announced.

We need everyone's help with ideas to fill the agendas for July through December. If you have any ideas, please just let one of the officers know. If you would like to do the demo yourself, GREAT! If you would like them to take care of it for you, that will be just fine too.

Comment

THE CLUB

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VP:Jim Tomlinson.....624-3872
SEC:Earl Salmons.....397-5829
TREAS:Ken Welker.....234-5901
LIBR:Rick Keller.....345-7207
EDITOR:Bertha Koerper..452-5110
MAL:Dan Deutschmann....588-4721
MAL:Everett Truttmann632-4735
MAL:Pat Langa.....242-0282
MAL:Bill Broda.....533-0148

BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, IL 62040. Camera-ready advertising must be received by the first of the month to be included in the issue of the month. Rates are as follows: Full Page - $15.00, Half Page - $7.50, Quarter Page - $3.75, and Business Card - $10.00 for 6 months.

Contents of the "Bits & Chips" may be reprinted by other club newsletters if accompanied by the author's name and credit is given to the GATEWAY COMPUTER CLUB. The G.C.C. assumed no liability for errors in articles or advertisements.

MEMBERSHIP REPORT

We have one new member in the G.C.C., Thomas Weber from Belleville, IL. Welcome to the club Tom! There are seven members that are reminded to renew their membership by the March meeting to be able to continue to participate in the club. They are: James Arnold, Jr., Joe Asperger, Larry Cullen, John L. Fischer, Jeff Held, Kenneth J. Hicks, and Jason Stickles. A member can renew their membership either by mail or in person at the monthly meetings. Any member may also renew their membership and extend their dews twelve months from their current expiration date. All members MUST have a valid membership card to vote on club matters and participate in our copy sessions.

Digitize Demonstration

Larry Briggs &
Scott Moats

I realize that there are only a few AMIGA owners in the club at the present time, but I'm sure there are some more of you that want one, or are contemplating upgrading in the future. Therefore it is about time we start showing off some of the hardware and software designed for the Amiga.

This next meeting night, I will be showing Perfect Vision and The Color Splitter. This hardware/software package will digitize pictures that can be saved to disk, reloaded into Digi Paint, and reworked as to color and size and printed out to be used any way needed. Photography is my other hobby and I find this to be an exciting extension of both. We will also have a program on disk, that was put together using some digitized pictures we made with Perfect Vision and an Animation program that will show these pictures fading in and out, sliding up, down, and wipes, all done without touching the computer.

This demonstration will be put on after Bill Broda's Demo. Be sure to bring your color tv's, and I hope that I will be able to broadcast this program to your tv.

* COMPUTER SHORTHAND SYMBOLS *

:) = Smile :* = Kiss
:D = Big smile :(= Frown
:# = Braces :@ = Sick person
:> = Mischievious smile
;) = Wink :C = Pout
[:) = Herman Munster
:x = Not saying a word
BRB = Be Right Back
BAK = Back at Keys
LOL = Laughing Out Loud
OTF = On The Floor laughing
AFK = Away From Keys

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TREASURER'S REPORT

By Ken Welker
Balance Feb. 1, 1989. $748.81

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N	D.O.M. SALES.....	$ 51.00
C	BLANK DISKS.....	$155.00
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E	STATIONARY.....	$ 58.11
N	POSTAGE.....	$ 25.00
S	MISC.....	$ 10.00
E		
	FEB. EXPENCES.....	$470.31
	CURRENT BALANCE.....	$609.75

AS OF MARCH 1, 1989

INSIDE THE 64

(PART 1)

BY: PATRICK LANGA

The following article is the first in a series that are intended for any level of C-64 user, whether you just bought your machine and know nothing of computers or have had it several years and are fairly proficient with it. The articles will start at the most basic level that I can think of and develop into more complex subjects based on the 64. I hope this article can shed some light on the mysteries that seam to surround machine language and the internal working of the 64. Maybe you'll see that all those data statements you just spent three nights typing in really do mean something after all.

Assembly language, machine language, and the inside workings of the 64 are closely interwoven. Without knowing the functions of the different chips and overall internal workings of the 64, assembly language would be of little value. Before we get into explaining these languages, we must first get a basic understanding of the 64 or computers in general.

Think of your 64 as nothing more than a box that contains a long list of numbers. Each of these numbers from 1 (the first number on the list) to 65536 (the last number on the list) can be of any value from 0 to 255. In other words, the first position, position 1 or location 1 as we will refer to it, can be any number from 0 to 255. Location 2 can also be any number from 0 to 255, and so on. These locations are also known as addresses. Think of each number in the computer as having a location or address of 1 through 65536. The computer uses the numbers contained in these addresses to carry out different tasks. For example, it knows that when the number at the address (or location) 53281 is a 0, that it should turn the screen black, if it is a 1 then turn it white. When the address of 53269 contains a value of 1, turn on sprite number 1 so it will appear on the screen (a sprite is a small graphics object such as a pac-man character). These numbers can also instruct the microprocessor to perform a simple task such as taking a number from a specific address and moving it to another. When these numbers are strung together, they form a program, a machine language program. This machine language program is comprised entirely of numbers. Each number being a simple instruction or piece of data. This list of numbers make up the programs that tell computer how to do everything from word processing to playing games.

If all this seems confusing,

bear with me. As you read and understand more about the computer, I believe this will all fall in place. If you're right up there with me, great. Let's move on. Now we need to look into the numbering system that our computer uses. At the heart of every computer system, you'll find the binary numbering system. The reason computers use binary is because it only has two numbers, 0 and 1. This is important to the computer because basically a computer is a machine that is composed of millions of tiny electrical switches. A switch can only be on or off. Electronically speaking, when there is voltage (+5 volts) passing through a memory circuit, that circuit or switch is considered on, or binary 1. When the voltage is at 0, the switch is off or binary 0. A 0 or 1 in binary is called a bit, and eight bits make up a byte. Four bits are called a nybble, but since I've probably confused you enough, we won't get into that until later. Anyway, this is how computers recognize numbers, they can tell whether one of their internal switches is on or off, so the computer can distinguish between a 0 or 1. When these bits are grouped together, they can form any number, and as I said before these numbers are used by the computer to perform many different tasks or make up the data of an elaborate graphic image. To understand how these bits make up binary numbers is to understand the binary numbering system. This will be the topic for next months continuing article on trying to understand your 64.

I hope you have learned something. Hopefully I didn't get to carried away and scare you off. If everything goes according to plans, we will probably have an S.I.G. or learning night between meetings at the same building. If this happens, I will be teaching a group on this same topic. I'll structure this program starting as I have in this article. The group will allow you to ask questions then I can elaborate on subjects that your not sure you fully understand. After getting a good background knowledge of our computer, you can stop there or go on to learn binary, hexidecimal, assembly language and certain functions of the different chips such as the VICII graphics chip and the SID sound chip. Hope to see you there. If you have any questions at all, see me at the next meeting or give me a call at 242-0282. See ya next month.

happy
st. patricks
day

C-128 D.O.M. CP/M

By Jim Tomlinson

ULTRACAT

THIS DISK CATALOG PROGRAM, **ULTRACAT** 2.1, IS THE LATEST UPDATED VERSION OF **ULTRACAT** 1.0 & 2.0. **ULTRACAT** 1.0 WORKS JUST GREAT, EXCEPT IT HAS A LIMIT OF 500 FILES, THEREFORE WASTING A LOT OF DISK SPACE.

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C-64 D.O.M. C-64

By Ken Welker

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INSTRUCTIONS ARE INCLUDED IN THE DIFFERENT PROGRAMS. JUST LIST THEM.

The Amiga Disk Of The Month

by: jim tomlinson

VirusX - That old stand-by is back to solve even more problems with viruses. This month's version has the cure for nine new viruses, including two that are really nasty. As before, just double click the VirusX icon to activate the program: then insert your disks one at a time. If a bad boot block is found, the program will ask if you want to re-create the boot block. If one of the many known viruses is found, a prominent banner will appear stating which virus was found, and ask if you want to cure the disk. The program will automatically kill the virus in ram also.

Metro - You are the city planner for a large metropolis, and there is no public transportation available. How will you set up the driving pools, the bus routes and the rail system? It's your decision in this challenging game.

Hermes - So, you have problems using the C.L.I. Here is just the program to give you those commands at the click of a mouse button. Everything is here, including reading text, viewing pictures and unarcing files. You can also customize the program to your liking.

Hed - A nice text editor with sliding windows, and the fancier capabilities that are normally only available on commercial editors.

ExpressCopy - This is a demonstration of a hard and floppy disk backup utility that should be available soon.

CATFISH.PRT - The current catalog of Fred Fish disks that the club has in it's library.

AMICUS.PRT - The current Amicus disks in the club's library.

GATEWAYCAT.PRT - A list of the GCC disks.

We are updating our files on our members. With this information we will use it to plan different demos, and it will help give us an idea where the interests in the club lie. It will also be helpful to you as a member if you need specific information on a program, we will be able to stear you to other members with the same interests.

MEMBERS PROGRAM INFORMATION

NAME_____NUMBER_____

PHONE NUMBER_____DATE_____

TYPE OF EQUIPMENT YOU HAVE_____

_____

_____

PROGRAMS YOU KNOW HOW TO USE_____

_____

_____

PROGRAMS YOU WOULD LIKE TO LEARN_____

_____

_____

INTER ANY SUGGESTIONS_____

_____

_____

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HOME PHONE:_____ MODEM:_____
DUES PAID:_$_____ OTHER:_____

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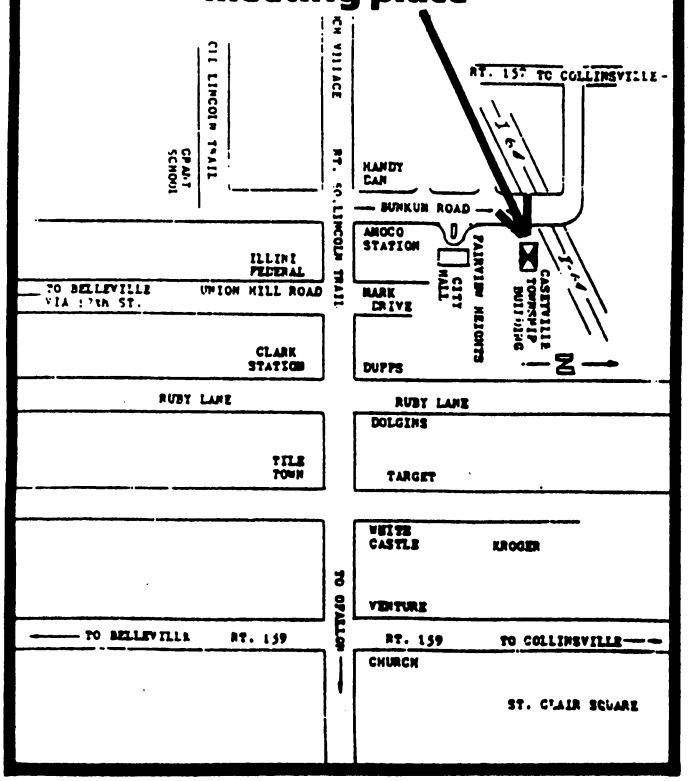

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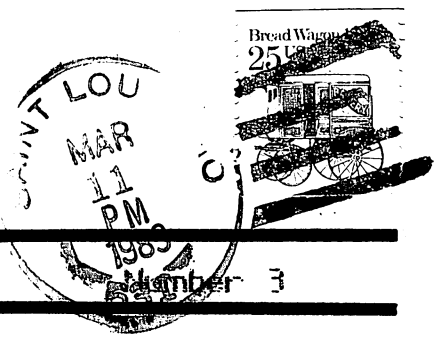
Volume 8 March 1989 Number 3



Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 8 April, 1989 Number 4

THE PRESIDENTS 2 BITS WORTH :

Well here we are, and it's time for another issue of Bits and Chips. Seems like each issue is getting better and better, I know because I cheated and read it as it was being put together. First of all we seem to have a newsletter within a newsletter now with the inclusion of "Amiga Mania and the dreaded Guru" by Scott Moats & Larry Briggs, it sounds rather interesting. We also have the second installment of Pat Langa's article on "Inside the 64". I hope everyone enjoys the schematics of the Amiga architecture that I threw in (I felt I had to do something with all the technical talk floating around that I don't understand). To be honest I don't really understand the schematics either, but they do look impressive don't they?

Keep this under your membership card but through the Bits and Chips Pat Langa has published a list of help numbers of club members who have a certain expertise in different fields of the Commodore line.

Remember this is a benefit of the club, extended to club members only, and believe me it could well be worth the price of membership for these help numbers. A friend of mine recently purchased an IBM (shutter) compatible system with a business software application program. Well, he was having problems with one of the modules and when neither one of us could go any further with it he called the software company's hot line to ask a question. He was told that one question cost $20.00 to be answered and a dollar a minute after the first twenty minutes of search time. Forget that!

We also have a conglomoration of the usual stuff and of course the absurd, wait till you see the schematics your editor Bertha came up with. Probably a lot more accurate than many, at least I understand them.

On the downside there seems to be a snag in the computer fair plans, hopefully more on that at the meeting. Also, Larry Briggs sent in a rumor concerning the 128, but I'll let you read that for yourself in his small article.

Reports

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MAL:Pat Langa.....242-0282
MAL:Bill Broda.....533-0148

BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, IL 62040. Camera-ready advertising must be received by the first of the month to be included in the issue of the month. Rates are as follows: Full Page - $15.00, Half Page - $7.50, Quarter Page - $3.75, and Business Card - $10.00 for 6 months.

Contents of the "Bits & Chips" may be reprinted by other club newsletters if accompanied by the author's name and credit is given to the GATEWAY COMPUTER CLUB. The G.C.C. assumes no liability for errors in articles or advertisements.

MEMBERSHIP REPORT

We have no new member in the G.C.C. this month. There are three members that are reminded to renew their membership by the April meeting to be able to continue to participate in the club. They are: Marc Archer, Tom Kahrhoff, and Bill Toon. A member can renew their membership either by mail or in person at the monthly meetings. Any member may also renew their membership and extend their dues twelve months from their current expiration date. All members MUST have a valid membership card to vote on club matters and participate in our copy sessions.

Reports

MINUTES-MEETING, MARCH 15, 1989

By: Earl Salmons, Secretary

Meeting opened at 7:15 by President Koerper. Minutes of previous meeting, and of board meeting of February 22 were read and approved.

Treasurer's report was read and showed a balance of $609.75. Report was accepted. Treasurer also reported that he would keep a supply of club discs at home and any member who needed discs could get them from him between meetings.

Larry Briggs reported that he has three new advertisers for the club paper, two cards, and one full page ad.

Everett Truttmann reported that the club now has 72 paid members.

Question and answer session and general discussion followed.

Bill Broda displayed a video scanner which would send whatever was on your monitor to any TV set for a short distance. Many members brought TV's and enjoyed the show. Pat Langa put on a demonstration of the AMIGA using a camcorder, cartoons and overlays. Larry Briggs and Scott Moats demonstrated digitizing, also using a camcorder, and an AMIGA. Members said this was some of the best demos we have had in a long time.

TREASURER'S REPORT

By Ken Welker
Balance Mar. 1, 1989. $609.75

I	T-SHIRT SALES.....	$ 4.00
N	D.O.M. SALES.....	$ 75.00
C	BLANK DISKS.....	$265.00
O	MEMBERSHIP.....	$ 30.00
M	50/50 RAFFLE.....	$ 6.00
E	SODA.....	$ 2.65
	FEB. INCOME.....	$382.65
E		
X	NEWS LETTER.....	$ 73.45
P		
E		
N	POSTAGE.....	$ 35.00
S		
E		
	MAR. EXPENCES.....	$108.45
	CURRENT BALANCE.....	$883.95
	AS OF APRIL 1, 1989	

CONTINUED FROM PAGE 1

We have added a couple more things to the calender: APRIL-Copy session/MS DOS tutorial by Jim Tomlinson; MAY-AUCTION; JUNE-Possible retail outlet demonstration; JULY-Multiple Sigs; AUGUST-Copy session.

By the way, bring your T.V.'s and power cords again. The club purchased a video scanner so more demo's on the way. We also purchased a C-View which converts the A-500 video output (RGBI) to composite so we can use the video scanner for Amiga demo's also. Well see you at the meeting.

THE PREZ

C-64 D.O.M. C-64

by: RICK KELLER

GRAPH PAPER:
This program prints 3 different sizes of graph paper.

BLACK GOLD:
A game in which you have just turned in your life savings for a small spot of land and hope there is oil.

UNO:
Just about like the card game but you can only play against the computer.

BATTLESHIP:
The popular game now on computer...But is kind of hard to play.

MESSAGE MAKER:
A very good program for use as a message board or bulletin board.

KRAKOUT:
A game from Qs Alliance that is to good to be free.

GARY LABELS 3:
A lable printer that you can use Printshop graphics with.

The Amiga disk of the Month

EW_1.4 This is a small program that the Amiga exploding windows much like the MAC(puke) has. Full documentation is provided in EW_1.4.doc. Simply click on the EW_1.4 icon and the program will install itself.

FunBut If you've ever played a game on the Amiga that required a lot of left mouse button clicks, this is the program for you. When this program is installed, the F1 key is mapped as the mouse button. and holding it down equates to multiple button presses. Defender Of The Crown, watch out!

IBMCopy/IBMType Here is a program written to convert IBM(yuk) text files to the Amiga. It will directly read IBM 3.5 disks and write to Amiga disks or in the case of IBMType print them on the screen. IBM.readme is the doc file.

PYRO Pyro is short for pyrotechnics or fireworks and this program is good at that and more. Effectively, it is a screen blanking routine, but how to keep the screen busy? That question is answered when you click the icon of Pyro. PYRO.doc is the doc file.

VideoPoker Just like the casino machines! VideoPoker.readme is the documentation. Help is also available inside the game.

IFF2PCS If you want a truly hard puzzle, this is the program to give you alot to do. For further information read IFF2PCS.DOC.

IFF_ImageFilter The commercial program BUTCHER lets you chop and cut and process an IFF file and so does this PD program. IFF_ImageFilter.doc gives indepth information on it's use.

SYNTHEMANIA
Here is a musical demo by a starving artist.

Clerk
If you have a small business and need a good accounting package, here it is! It features Accounts Payable, Accounts Receivable, General Ledger and a filing cabinet. Clerk.doc provides better information.

GfxLabelsV1
Those great graphics from Printshop are here to be printed onto mailing labels with this program. Full docs are in GfxLabels1.DOC.

In an attempt to get the latest large programs to you, the GCC member, there are <u>two</u> other titles being offered separately.

KICKBENCH1.3
Strictly for the A1000 owner, This is both a kickstart and workbench on one disk. This is for Amigados V1.3.

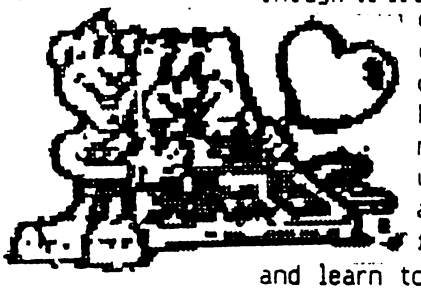
HACKLITE
This is a two disk set of a terrific dungeons and dragons game. (As this is two disks it will be $6.00)

Amiga Mania
and the dreaded Guru

ISSUE 1 **-Scott Moats & Larry Briggs-** **April 89**

NEW!

YES, this is a new feature of the Bits & Chips! Larry Briggs and I have decided that the AMIGA computer should have a larger role in our club. Therefore, we will be putting together a number of activities in order to encourage the use of the AMIGA. (We also want to show off our AMIGAs.) Hopefully, once we start the stone rolling, other members will join in and help us keep it going. We will be placing program reviews, general information, humor and maybe even some computer art in each months newsletter. Likewise we hope to have at least one AMIGA computer at each club meeting. The AMIGA's graphics and sound capabilites are truly outstanding and deserve to be exhibited. Currently, we are planning a demonstration of Hole-In-One miniature golf or Battle Chess. But we haven't decided yet- you'll just have to wait till the club meeting to see what surprises we have.



Digital Demo

For those of you who missed our digital demonstration last meeting, we will have the pictures with us again this meeting. If you didn't get to see them, or would like to look at them again, just ask and we'll show them to you. (Sorry, but we won't have the digitizing camera with us this time.)

Why the GCC?

You probably bought your Commodore 64 then found out, as I did, that you could not do much with it. So you looked for help. You did as I did, joined a computer club. The only one I found in this area was the Gateway Computer Club. So now here you are in with a group of people not known to you, do you feel as I did, lost? Well, do as I did, jump in with both feet, talk to the person next to you, and others, you will be surprised how fast you will make a computer friend.

Do not be afraid to ask questions about a problem you are having with a program because you think you will appear stupid, that is not the case, we all joined the club to learn, no one asks more questions that I do, and I enjoy answering questions about programs I am familiar with.

It is very unfortunate that some club members join the club and stay only long enough to learn how to use their Commodore computers. It is too bad that the club can not do more to teach new computer owners how to use their hardware or software. Time does not permit and the more proficient user would not want to sit through a beginners class. So, do as I did, form a group to meet at your home and learn together. Our group, Earl Salmons, Everett Truttman, and Carol Souza was formed about two years ago, we met once a week for a year. We now meet every two weeks. We have learned much about Superbase, Fontmaster II, Wordwriter, Easyscript, Family Roots, a spread sheet, and some study on Commodore Basic--enough that we can go into a program and change it to suit out needs. So get in there and form a group, three or four is about right.

Those of us who have stayed in the club have become close and enjoy a real sense of camaraderie.

I now have an Amiga 500 and I am back to square one. I needed help so I now meet with a bright young man, Scott Moats, who has had his Amiga 1000 for some time. He is teaching me what he has learned. Without his help I would struggle along.

(continued on Page 2)

(continued from Page 1)

I might add that when election for officers rolls around again, enter your name to the slate and get elected to the board, even if it is only a MAL, you only have to attend one meeting a month, and it is a lot of fun.

I was on the board for three years, one as Vice President and two as a MAL (member at large).

We need more member participation, write a review for the Bits & Chips, put on a demonstration on any program you do well, or perhaps get an advertisement for the newsletter, get in there and try. As the old saying goes "YOU ONLY GET OUT WHAT YOU PUT INTO IT!

The Surgeon

The Surgeon is, as you probably expected, a medical simulation. In the game you will review the x-rays and ultrascans of a patient by the name of Mr. Jones. You suspect that he is suffering from an aortic aneurysm. This is a condition in which a section of the aorta (the main artery of the body) has weakened and ballooned out. If the aneurysm breaks, the patient will hemorrhage and die within minutes. In short, this is a very critical condition. However, the symptoms of an aneurysm are similar to those of other diseases. You must decide if an operation is required.

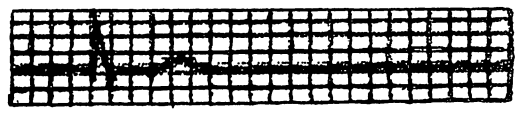
If you select the option for surgery, Mr. Jones will be rushed to the O.R. You must scrub and begin the procedure of replacing the weakened section of aorta with a dacron graft. The patients skin, subcutaneous fat, linea alba, and peritoneum must be patiently cut and retracted. The intestines must be lifted from the abdominal cavity and the graft put in place. Finally, everything has to be put back in place and sutured. It may sound easy, but believe me, it isn't! The game is unforgiving- one little mistake and your career as a surgeon is over. A successful surgery takes thirty to forty-five minutes to complete. (I have had two successful surgeries. Larry has yet to save Mr. Jones.)

The graphics are color and in high resolution. There could definitely be more pictures. As far as sound goes, you get to hear the EKG monitor beep and that's about all. However, if you kill Mr. Jones you do get to hear him scream!

The author of the game is a physician and he intended the game to be a simulation, an educational tool, and also a game. He succeeded in making the program all of these, however it still isn't all that great. This is one of those games you play for a week or two and then put on a shelf to gather dust. Larry and I both give it a thumbs down.

The Surgeon
ISM, Inc.
Phoenix, MD 21131
(301)-666-2672
Originally sold for $60 but you can now find it for around $32.
512K required
copy protection: documentation

(Below is a small picture of the patients abdomen and a sample of the EKG readout. The first part of the electrocardiogram shows a normal heart beat. The last part shows that the heart has stopped. This means trouble when you're playing the game!)

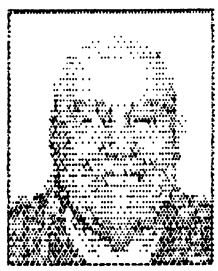


That's all!

Well folks, that's about all for this month. We hope that you see the "Amiga Mania" as a plus to the club newsletter and will allow us to continue with it. We had some fun putting it together and trust that you have enjoyed reading it. We eagerly await your criticism and/or help with future editions. So, until next time, may the guru be with you.

L.B. & S.M.

Larry Briggs & Scott Moats



Inside the 64

(Part 2)

By: Patrick Langa

If you read last months article, welcome back. Last month we tried to get a very broad look at how computers function. I stated in the article that at the heart of every computer you would find the binary numbering system, then briefly described what binary was.

This month we'll take a closer look at binary. It is crucial to understand this numbering system to do assembly language, machine code programming, or to just get a better understanding of computers.

The binary numbering system is known as being base 2. The base number is 2. Every column of a binary number is a multiple of 2, just as in decimal (which is base 10) where every column is a multiple of 10 (1's column, 10's column, 100's column, etc...). By the way, binary numbers are represented by a % sign preceding the number (%0101), and decimal numbers are represented by a # sign preceding them (#1234). In binary, the right most column is the 1's column. The next column to the left is the 2's column, then the 4's, the 8's, 16's, 32's, etc... Each time we move to the left, we multiply by two for that columns value. To calculate any columns value, we simply raise 2 to the power of the column number. For example, the fifth column to the left's value is 2 to the fifth (base 2 raised to the fifth power), which is 2*2*2*2*2 or the 32's column. To further illustrate this point lets first look at an example in decimal. Take the #329, we know that there is a 3 in the 100's column, a 2 in the 10's column, and a 9 in the 1's column. This means that we have 3 100's, 2 10's, and 9 1's. Add these together and they total #329. Now let's look at a binary number. Take for example %1011. Starting from the right, we have a 1 in the 1's column, a 1 in the 2's column, a 0 in the 4's column, and a 1 in the 8's column. In other words, we have 1 8, 0 4's, 1 2, and 1 1. Add these together, 8+0+2+1, and our number turns out to be eleven. To derive any binary number, just add all of the column values together that contain a 1. See fig. 1 for a few examples.

Figure 1

Binary #					Decimal
16's	8's	4's	2's	1's	Equivalent
1	1	0	0	1	25
0	0	1	0	0	4
0	1	1	0	1	13
1	0	0	0	0	16
1	0	1	1	1	23

A 0 or 1 in binary is referred to as a bit. Four bits make up a nybble, and 8 bits are called a byte. Since the C-64 is considered an 8 bit machine, no memory location can contain a binary number longer than 8 bits (a byte). The

maximum value for 8 bits (a byte) is #255. When all 8 bits are set to 1 (%11111111), this number is 255 in decimal. This is why the only legal numbers that you can put or poke into a memory location on the C-64 are from 0 to 255. Try poking a #256 into a location and you'll get an error message. Being an 8 bit machine means that the microprocessor chip, support chips, and memory chips, can only handle 8 bits at a time. Other higher powered computers can handle much larger binary numbers. For example, the Commodore Amiga can handle up to 32 bits at a time. As time progresses, we will probably see the number of bits that a home computer can manipulate at one time dramatically increase. This enables our computers to do things more quickly and efficiently. As in the case of the 64, when the micro-processor encounters a number larger than 8 bits (#255), it must split it up and deal with each part individually. A computer such as the Amiga, can take the same number and deal with it directly, thus increasing speed, and speed is power.

There are other facets of binary to learn such as binary arithmetic and logical operators such as the AND and the OR commands. It is interesting to see how binary numbers are added, subtracted, multiplied, and divided, but we won't go into that in this series. We may discuss the logical operators (AND and OR's) later when we get into assembly language.

So far in this series, we have discussed computers in general, and covered basic binary principles. You should now be able to convert any binary number to decimal. Although we haven't discussed how to convert decimal to binary, it isn't hard to figure it out by looking at the binary to decimal examples in this article and calculating in the other direction.

If all goes well, and it looks good so far, all of this will be covered on our Learning Night or SIG Night which we will hold in between meeting at the same building. It appears this night will be every 1st Wednesday of the month at 7:00. We will try to have at least two different SIG's going each month. All club members are invited. Even if your not particularly interested in a certain SIG, you can come out and learn something new. I'll keep you posted as to when this will all come about.

Next month we'll look at Hexidecimal, which is the primary numbering system used when programming in assembly language. Writing numbers in hexidecimal is a shorter way of representing long strings of binary 0's and 1's. See ya next month.

Okidata 120	Virgil Brawley	398-2968
Okimate 20	Ted schmidt	632-6358
Commodore 1200	James Briggs	797-6148

Other Hardware

A2088O Bridgecard Mike Taphorn 234-3638

Amiga Digitizer Larry Briggs 345-0220

Pro-Gen Genlock Pat Langa 242-0282

Seagate 277R Hard Drive Jim Tomlinson 624-3872

MSD Disk Drive Bill Broda 533-0148

Blue Chip Disk Drive James Briggs 797-6148

4040 Disk Drive Joel Hillyard 282-3758

Word Processors

Word Writer 128	Juanita Welker	234-5901
Easy Script (C-64)	Bill Broda	533-0148
Paper Back Writer (C-64)	Nathan Price	286-3000
Font Master II	Joel Hillyard	282-3758
Fontmaster 128	Joel Hillyard	282-3758
Kind Words (Amiga)	Pat Langa	242-0282
Excellence (Amiga)	Ken Welker	234-5901

Spread Sheets

Multi-Plan (C-64)	Bill Broda	533-0148

Graphics

Doodle (C-64)	Dr. Doodle Bill Broda	533-0148
Deluxe Paint II (Amiga)	Pat Langa	242-0282
	Mike Taphorn	234-3638
Photon Paint (Amiga)	Mike Taphorn	234-3638
Pro-Video Plus (Amiga)	Pat Langa	242-0282
Digi-Paint (Amiga)	Larry Briggs	345-0220

The Gateway Help-Lines

This is the first of several newly inspired ideas to see that our club members are getting all the bang for thier buck they deserve. This list is available **exclusively to club members** (hint, hint). Instead of waiting till the next meeting to have your questions answered, just pick up the phone - well, not the whole phone, the reciever will do, - and your answer could be just a phone call away! If you know someone who is thinking about joining our club, tell them to join now, this is a great way to get thier questions answered, but it is for **club members only.** If you're thinking about letting your membership expire, FORGET IT!!! Access to this list of numbers alone is worth the $15.00 a year club dues. Think of this list as your personal computer consultant.

We will continue to add to this list every month. If you know a certain program, computer, procedure (repair or modification), let me know and we'll add your name to the list. Also let me know if you want your name removed.

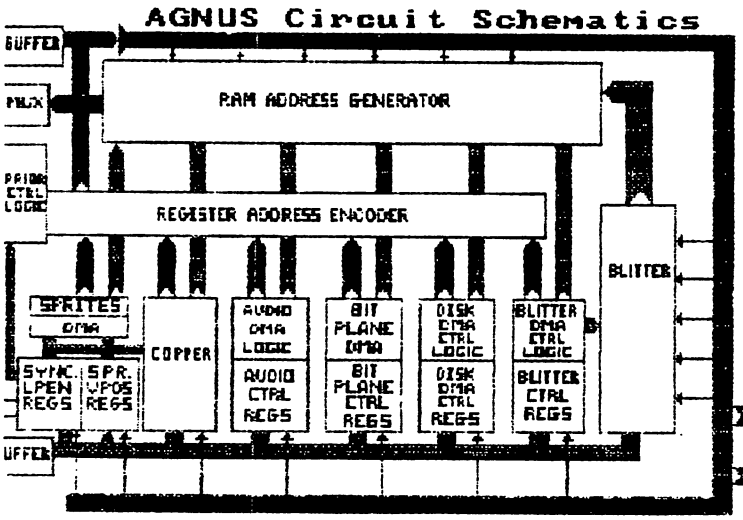
Getting with other people to share ideas and information is what a computer club is all about, and without you, it just won't work. We need to keep our members and recruit some new ones. The more poeple, the more knowledge and information available to everyone. Here's what we have for now. Please excuse the sloppy column format, its getting late and I guess I need to call someone for help with 'Excellence' ! I'll get it right next month !

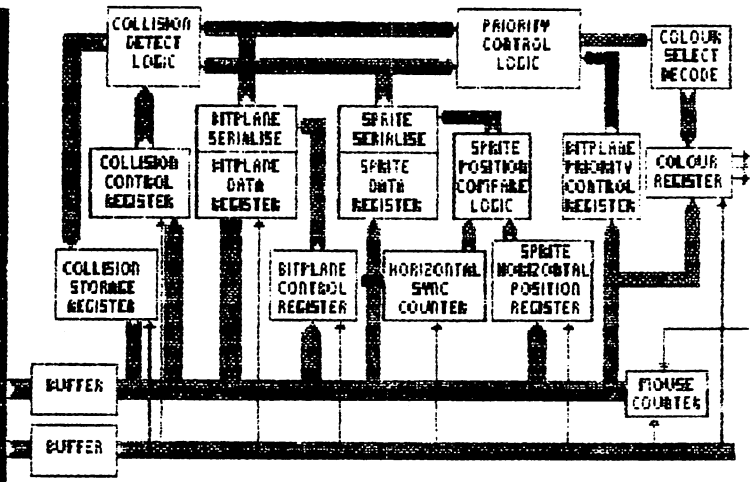
General Help

C-64	Pat Langa	242-0282
	Bill Broda	533-0148
C-128	Juanita Welker	234-5901
	Jim Tomlinson	624-3872
Amiga	Jim Tomlinson	624-3872
	Mike Taphorn	234-3638
	Pat Langa	242-0282

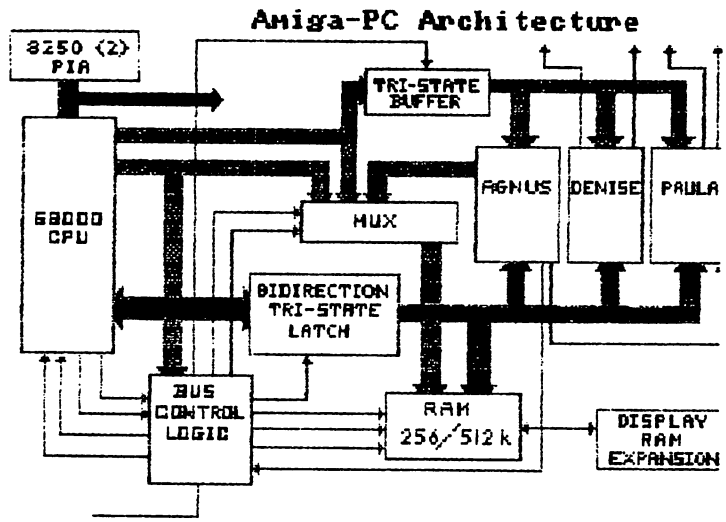
Printer Help

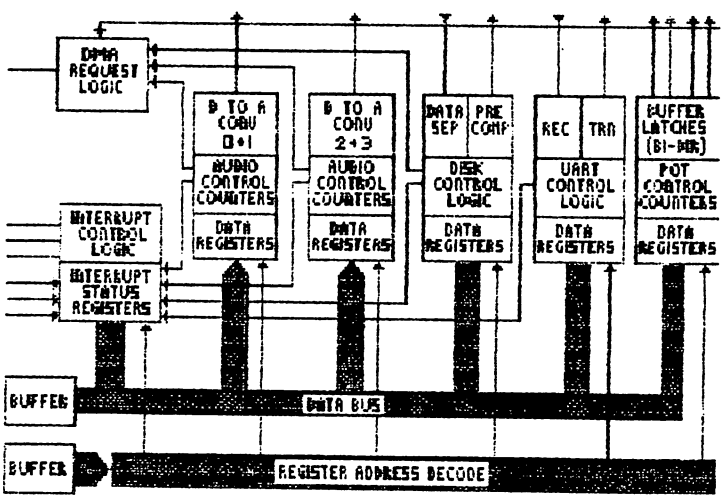
Star SG-10	Jim Tomlinson	624-3872
Pro-writer	Bill Broda	533-0148
Star NX-1000 Rainbow	Mike Taphorn	234-3638
Comstar 160	Pat Langa	242-0282





DENISE Circuit Schematics



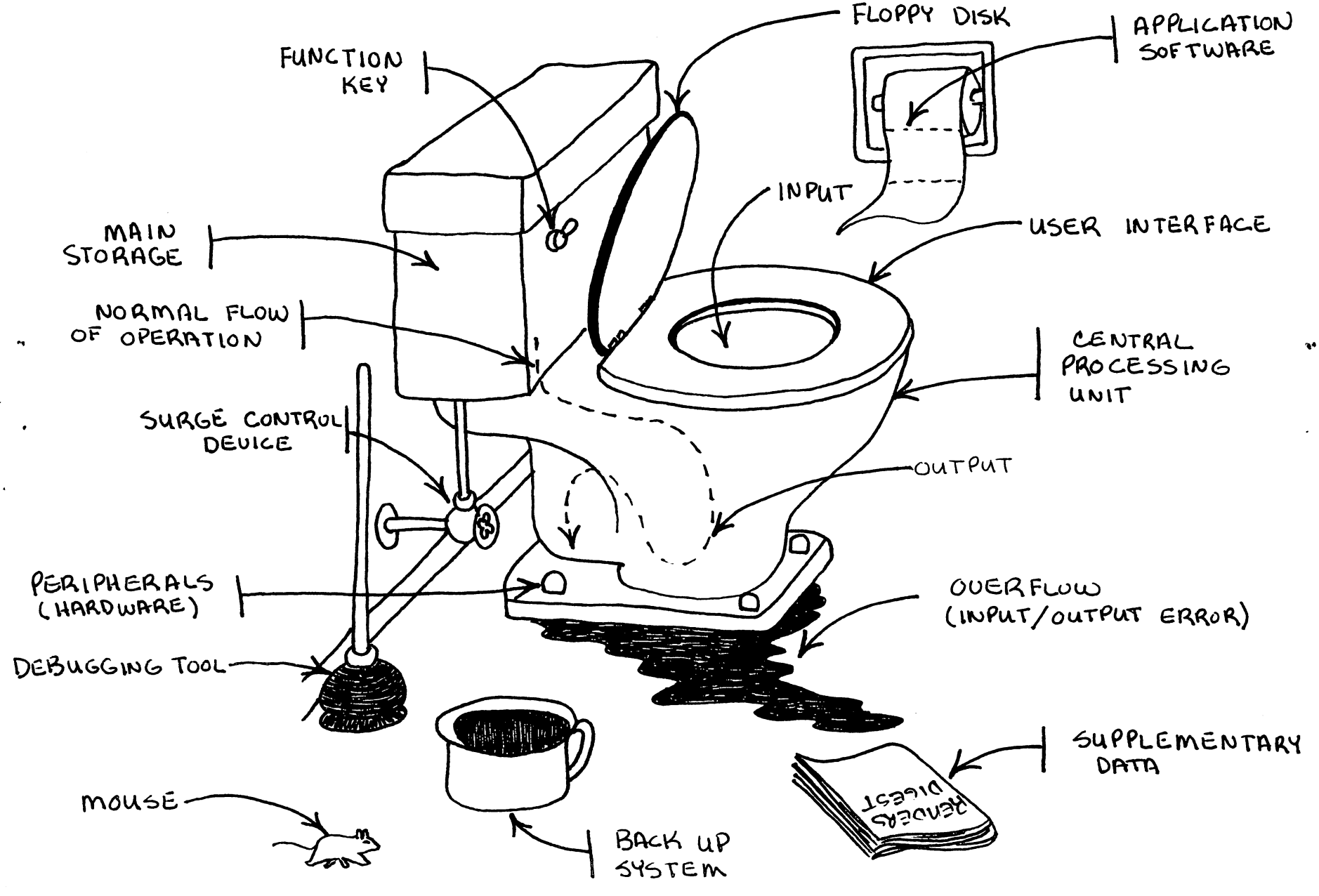


PAULA Circuit Schematics

LARRY BRIGGS
GCC-APRIL

I have just learned from the SOS Computer Store that Commodore have stopped makeing the 128D computer, so if you want one, better hurry while the supply lasts. We know that the 1571 has been in short supply, now we know the reason why. It is obvious that Commodore wants to sell the Amiga. If you check the prices in the SOS ads in this months Bits & Chips you will see that the price of the 128D with the 1571 drive and 1084S monitor is only $31.00 less than an Amiga 500 with external drive and 1084S monitor. A much better buy.

Understanding the Technology



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LAWRENCE BRIGGS

(618) 345-0220

We are updating our files on our members. With this information we will use it to plan different demos, and it will help give us an idea where the interests in the club lie. It will also be helpful to you as a member if you need specific information on a program, we will be able to stear you to other members with the same interests.

MEMBERS PROGRAM INFORMATION

NAME_____NUMBER_____

PHONE NUMBER_____DATE_____

TYPE OF EQUIPMENT YOU HAVE_____

_____

_____

PROGRAMS YOU KNOW HOW TO USE_____

_____

_____

PROGRAMS YOU WOULD LIKE TO LEARN_____

_____

_____

INTER ANY SUGGESTIONS_____

_____

_____

GATEWAY COMPUTER CLUB
MEMBERSHIP/RENEWAL FORM

DATE:_____ NO.:_____
NAME:_____ COMPUTER:_____
ADDRESS:_____ DISK DRIVE:_____
CITY:_____ MONITOR OR TV:_____
STATE:_____ZIP:_____ PRINTER:_____
HOME PHONE:_____ MODEM:_____
DUES PAID:_$_____ OTHER:_____

COPYRIGHT CONSENT

By signing this form and joining the Gateway Computer Club. I hereby agree and consent to abide by the constitution and bylaws of the GCC and the rules concerning copyrighted software and will not copy such software at any club function. I also agree to allow my name, address, telephone number and other information provided above to be used by the GCC for club distribution and related mailing lists.

SIGNATURE:_____

SOS Computers

15 Plaza Drive
Fairview Heights, IL 62208
(618) 398-8200

Commodore

Commodore C64	$149.95
C1541-II Disk Drive	$189.95
C1802 Color Composite	$199.95
MPS-1250 Printer	$249.95
Commodore 128D	$449.95
1571 Disk Drive	$259.95
C1084S Stereo RGB Mon.	$339.95
1581 3 1/2 Disk Drive	$199.95
C1351 Mouse C64/C128	$39.95
Commodore Modem 300 Bps	$29.95
Commodore Modem 1200 Eps	$79.95
Commodore Colt	$599.95
C1901 Monochrome TTL	$79.95
C1764 RAM Expander 64	$129.95
C1700 Ram Expander 128	$99.95
C1750 Ram Expander 128	$179.95
A1680 Modem 1200 Baud	$129.95

Joysticks

Winner 100	$7.46
Winner 220	$14.21
Wico The Boss	$13.46
Wico 3-Way	$24.71
Wico Bat Handle	$19.96
Tac 5	$14.96
Tac 3	$11.99
Slik Stick	$5.99
Star Fighter	$8.63
Tac 2	$10.49
Kraft Mazemaster	$7.96
Kraft Ace	$4.39

Disks & Cases

Disks Packs

Bonus 11 Pk 5.25" DS/DD	$6.95
Bonus 11 Pk 3.5" DS/DD	$16.95
Fuji 10 Pk 5.25" SS/DD	$7.95
Fuji 10 Pk 5.25" DS/DD	$9.95
Precision 10 5.25" DS/DD	$5.95
Percision 10 3.5" DS/DD	$14.95

Disk Cases

40 3.5" Disk Case	$5.95
80 3.5" Disk Case W/Lock	$9.95
50 5.25" Disk Case	$6.95
100 5.25" Case W/Lock	$9.95

Bulk Disks

5.25" DS/DD Single Disk	$.59
5.25" DS/DD 10 Pack	$4.95
5.25" DS/DD 25 Pack	$11.25
5.25" DS/DD 50 Pack	$19.50
5.25" DS/DD 100 Pack	$34.95
5.25" DS/DD Color Disks	$.89
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3.5" DS/DD 10 Pack	$13.95
3.5" DS/DD 20 Pack	$24.95
3.5" DS/DD 50 Pack	$60.00

Ask About New Amiga 2000HD & 2500

Amiga 500

7.16MHz MC68000 Microprocessor
512k to 1Mb Internal RAM
Upto 9.5Mb RAM Total
4096 Color Pallette
Max. Resolution over 640x400
4-Voice 9-Octave Stereo Output
Multitasking Operating System
System Software & Amiga Basic

SOS Low Price on Amiga 500	$589.95
w/1084s Stereo Audio RGBI/A	$919.90

Amiga 2000

7.16MHz MC68000 Microprocessor
1Mb RAM Expands to 9.5Mb
Built-In 880k 3.5" Drive
Twin 3.5" 880K Disk Drive Bays
Half-Height 5.25" Drive Bay
Keyboard & Amiga Mouse
Max. Resolution over 640x400
4-Voice 9-Octave Stereo Output
Multitasking Operating System
System Software & Amiga Basic
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Monitors

Magnavox

8762 RGB/Composite	$269.95
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515 RGB/Comp./ANALOG	$299.95
9CM053 EGA	$379.95
Color Composite	$199.95
TTL (Amber)	$69.95

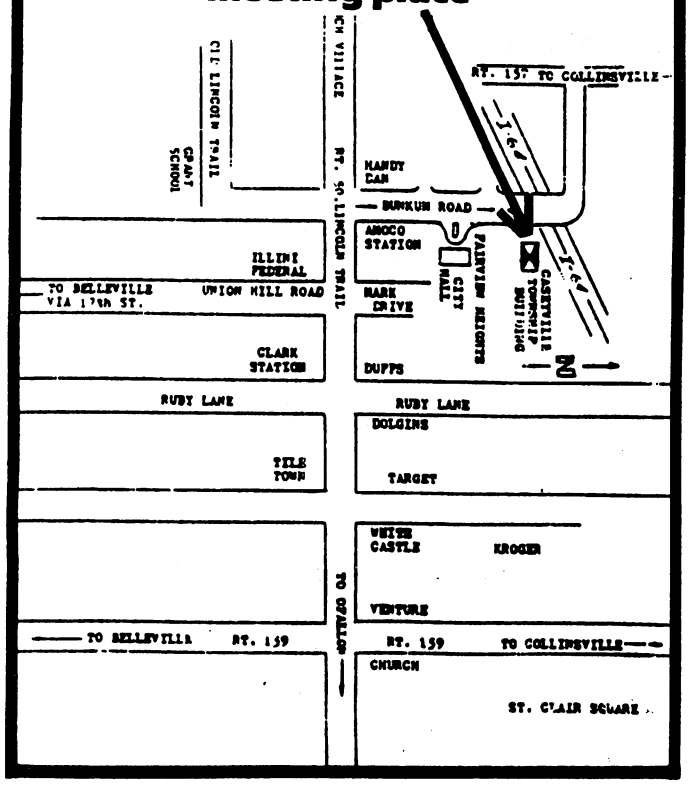
Commodore

1901 Monochrome (Green)	$99.95
1802C Color Composite	$199.95
1084s (Stereo Audio) RGBI/A	$339.95

Other

Samsung Flat Page-White	$129.95

Gateway Computer Club meeting place



GCC Directory

Next Meeting:

April 19, 1989

Next Exec. Bd. Meeting:

April 26, 1989 - 7 p.m.
(Dohack's Restaurant)

Next Copy Session:

April 19, 1989

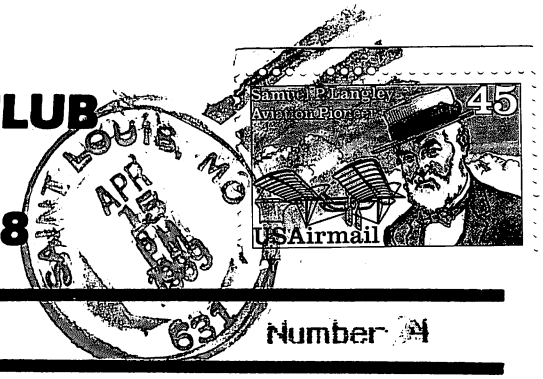
Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

GATEWAY COMPUTER CLUB
P.O. Box 1839
Fairview Heights, IL 62208

Volume 8 | April, 1989 | Number 4



Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 8 May, 1989 Number 5

THE PRESIDENTS 2 BITS WORTH :

Well, it's about time we explain a few things. Like what you may ask, well, like what is used to bring the Bits & Chips to you every month. First of all the word processor that is used is called excellence!. No that is not a typo, the program is spelled with a lower case e. The computer used is an Amiga 500 with duol disk drives,one megabyte of memory, and printed on a Star NX 1000 Rainbow printer. By the way, excellence! has a bullt in 90,000 word spell checker, a grammer checker, and thesaurus. Other programs used include, Digipaint, Digiview, Photon paint, Scribble, and Motes and Briggs use Word Perfect. So much for the Amiga side. If I missed a program, I will try to mention it next month. If our contributors who use either the C 64 or the C 128, tell us their programs we will include them also.

Exciting time at the regular club meeting. Auction time! bring your money and your stuff. Remember, the more stuff the better the auction, and the more money generated for you and the club.

Other Notes: Did any one else notice the Amiga being used by the bionic couple's main Dr. person in the made for T.V. movie " The Bionic Showdown" on April 30? Also, being the upright intelligent type person, that I am, I was watching the program "Discover", and in one segment, a research team was studying a fish thought to be extinct, a fish that predated the dinosaur my millions of years. Well when they showed the inside of the research vessels cabin, guess what computer they were using, YEP! a Commodore 64, and they found the fish! Science marches on. See you at the meeting. THE PREZ

P.S. The 64 and 128 DOM are not mentioned in the news letter. They are going to be a surprise!

Reports

MINUTES-MEETING,
APRIL 19, 1989

By: Earl Salmons,
Secretery

Meeting opened at 7:15 p.m. Minutes of the last meeting were accepted as published in Bits & Chips. Treasurer's report was accepted as presented by Ken Welker. Committee Reports: Publicity, Juanita Welker, meeting notices are now or will be in the St. Louis Suburban Journals and St. Louis Computer Magazine. Still trying to get notices in the Belleville News Democrat. Fund Raising, Bill Broda, will bring a person to the next meeting who will tell us how we can raise funds by making and selling pizza. Membership, Everett Truttmann, We gained one new member tonight. Computer Fair, Earl Salmons, It is doubtful that the fair can be held at St. Clair Square. Other ways of getting to the public were discussed including breaking up the fair and having smaller groups in local high-traffic stores, participating in the St. Clair County Fair, moving the fair to another town, etc. The club has been invited to participate in what St. Clair Square calls "Community Service Weekend" on July 15 and 16. Earl will get more information and report to the Executive Board on April 26. If it would fit the club's needs, the board was voted the right to accept the invitation. Library, Tom McDonald, explained why some 128 DOM's may seem hard to load. He also discussed a computer radio talk show on station WRYT at 10 a.m. on Saturdays. Meeting notices and events can be announced on this show. The meeting went to copy session at 8:30 p.m. Meeting was adjourned.

TREASURER'S REPORT

By Ken Welker
Balance Apr. 1, 1989. $609.75

I	T-SHIRT SALES.....	$ 13.30
N	D.O.M. SALES.....	$ 65.00
C	BLANK DISKS.....	$ 110.00
O	MEMBERSHIP.....	$ 30.00
M	50/50 RAFFLE.....	$ 3.50
E	SODA.....	$ 3.00
	ADVERTISMENT.....	$ 30.00

FEB. INCOME.....$254.80

E		
X	NEWS LETTER.....	$ 97.15
P	VIDIO SENDER.....	$ 53.25
E	C-VIEW CABLE.....	$ 44.35
N	POSTAGE.....	$ 45.00
S	DOWN LOADS.....	$ 54.48
E	BLANK DISKS.....	$294.00

MAR. EXPENCES.....$588.23

CURRENT BALANCE.....$550.52
AS OF MAY 1, 1989

Reports

THE CLUB

The Gateway Computer Club is a not-for-profit organization of like-minded Commodore computer users. Membership fee is $15.00 per year. Members received access to the club's public domain library, educational programs, literature and monthly "Bits & Chips". Direct all membership applications and questions to the Gateway Computer Club c/o P.O. Box 1839, Fairview Heights, IL 62206. Only public domain programs are kept in the G.C.C. library. Reproduction of copyrighted software is not promoted nor condoned by the G.C.C. and will not be tolerated at club functions.

THE OFFICERS

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VP:Jim Tomlinson.....624-3872
SEC:Earl Salmons.....397-5029
TREAS:Ken Welker.....234-5901
LIBR:Rick Keller.....345-7207
EDITOR:Bertha Koerper..452-5110
MAL:Dan Deutschmann....588-4721
MAL:Everett Truttmann632-4735
MAL:Pat Langa.....242-0282
MAL:Bill Broda.....533-0148

BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, IL 62040. Camera-ready advertising must be received by the first of the month to be included in the issue of the month. Rates are as follows: Full Page - $15.00, Half Page - $7.50, Quarter Page - $3.75, and Business Card - $10.00 for 6 months.

Contents of the "Bits & Chips" may be reprinted by other club newsletters if accompanied by the author's name and credit is given to the GATEWAY COMPUTER CLUB. The G.C.C. assumes no liability for errors in articles or advertisements.

MEMBERSHIP REPORT

We have one new member in the G.C.C. this month, Franklin A. Damon from Centralia. Welcome Frank! There are seven members that are reminded to renew their membership by the May meeting to be able to continue to participate in the club. They are: Ray Allen, R.E. Aten, Betty Feigenbutz, Patrick Foley, Tom McDonald, Charles & Joy Miller, and Eula & Ted Schmidt. A member can renew their membership either by mail or in person at the monthly meetings. Any member may also renew their membership and extend their dues twelve months from their current expiration date. All members MUST have a valid membership card to vote on club matters and participate in our copy sessions.

AMIGA DISK OF THE MONTH

BY JIM TOMLINSON

ZONX - A pacman like maze game. Try to retrieve the flashing squares while avoiding the green faces. This program must be run from the CLI.

ZERG - Here is a chop-em up game that has much of the same play as Ultima. Go into the castle to get your assignment from the King. Find the town to buy armor and weaponry. Kill a troll or two for me!

QMOUSE - Here is a mouse accelerator and a whole lot more. Features include: Screen blanker, Automatic window activator, Hot key configuration, Keypress sequence recorder, Screen shuffler and a small clock. CLI only!

DISKSALV - Here is the program we all hope we never have to use. This will salvage files from corrupted(bad) disks. Run from CLI.

AMIDEX - A rolidex address book based on the popular card style address file.

TERRAIN - Here is a nifty little program that will build graphic terrains using pure mathematics. The images are in three dimensions and look very good.

JEOPARD - Are you ready to conquer the world? This program lets you see without carrying out your intentions. This must be installed first, see the documentation in the directory.

PRINTPRG - Lets you easily print out your documents and files from the CLI.

ARP13.ZOO - This is the complete implementation of The AmigaDOS Replacement project. This file is in ZOO format to save room on this disk. The ArpReadMe file is extracted on this disk to let you see if you would find this worth your while. What does it do? It replaces many of the CLI commands with others that offer more features in a smaller file. To extract to files the utility ZOO is also provided on this disk. Just enter: ZOO x ARP13 under the CLI. If you have 1meg of ram or more, you can do this under the ram drive.

Inside the 64

(Part 3)

Hexidecimal

By: Pat Langa

After last months article, we should have a good, or at least basic understanding of binary -we do don't we?-. So now it's time to dive into the second and last numbering system that we need to know before advancing into the depths of assembly language.

Hexidecimal is used as the primary numbering system when programming in assembly because it allows long strings of binary 0's and 1's to represented by only a few hexidecimal numbers. Before we go on, if you missed last month's article (part 2) on binary, I recommend you get a copy read about binary first. That will probably make it easier for you to understand the following article on hexidecimal.

Hexidecimal is base 16 and each column is a multiple of 16. Looking at the columns of a hexidecimal number from right to left, we have the 1's column, the 16's column, the 256's column, and the 4096's column. Each time we move to the left we simply multiply by 16. In binary which we said last month was base 2, each column was a multiple of 2, and any column could have only two possible values, 0 or 1. In hexidecimal, any column can only 1 of 16 possible values, 1 - 16. Since one column can only have a single character, hexidecimal makes use of both numbers and letters. To count to 15 in hex, we would count, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F. 'A' having a value of 10, B - 11, C - 12, D - 13, E - 14, and F - 15. So any hexidecimal column can contain any one of these letters or numbers. Let's look at an example. Take the hexidecimal number $10A2 (hex numbers are represented by a preceding '$'). To translate this number to decimal, we first figure out what the column value is for each number or letter, then multiply each columns value by the number in that column. After this is done, we simply add these numbers together, and that is our decimal equivalent. So, in our example, the first number in the right most column is a 2. This 2 is in the 1's column so 1 (the column value) * 2 (the number in the column) = 2. The next column to the left is the 16's column. The number or letter in this column happens to be an 'A'. Remember an 'A' stands for 10, so we take the column value of 16 * 10 (the value of the letter in that column) which equals 160. The third column to the left, the 256's column, contains a 0, so that number (256 * 0) is 0. The last column, the fourth to the left is the 4096's column, and this column contains a 1. This means that this value is 4096 * 1 or 4096. Now to derive our decimal equivalent, we add each of the values that we figured up together. The right most column was 2. Next to the left was 160. Next was 0, and the left most column was 4096. So 2 + 160 + 0 + 4096 = #4258.

Well, this concludes the necessary numbering systems that we need to know before moving on to bigger and better things, such as assembly language. If you have any

The Gateway Help-Lines

Here's this months list of the Gateway Help Lines. These phone numbers are for the sole use of our club members. If you're a member or *soon to be member* (*hint*, *hint*) and have any *Commodore* computer related question, look through this list for someone to help you. If you're proficient with a certain piece of hardware or software, or know a special procedure (such as aligning a disk drive), then give me a call (Pat Langa 242-0282) or catch me at the next meeting and we'll add you to our list.

General Help

C-64	Pat Langa	242-0282
	Bill Broda	533-0148
C-128	Juanita Welker	234-5901
	Jim Tomlinson	624-3872
Amiga	Jim Tomlinson	624-3872
	Mike Taphorn	234-3638
	Pat Langa	242-0282

Printer Help

Star SC-10	Jim Tomlinson	624-3872
Pro-writer	Bill Broda	533-0148
Star NX-1000 Rainbow	Mike Taphorn	234-3638
Comstar 160	Pat Langa	242-0282
Okidata 120	Virgil Brawley	398-2968
Okimate 20	Ted schmidt	632-6358
Commodore 1200	James Briggs	797-6148

Other Hardware

A2088O Bridgecard	Mike Taphorn	234-3638
Amiga Digitizer	Larry Briggs	345-0220
Pro-Gen Genlock	Pat Langa	242-0282
Seagate 277R Hard Drive	Jim Tomlinson	624-3872
MSD Disk Drive	Bill Broda	533-0148
Blue Chip Disk Drive	James Briggs	797-6148
4040 Disk Drive	Joel Hillyard	282-3758

Word Processors

Word Writer 128	Juanita Welker	234-5901
Easy Script (C-64)	Bill Broda	533-0148
Paper Back Writer (C-64)	Nathan Price	286-3000
Font Master II	Joel Hillyard	282-3758
Fontmaster 128	Joel Hillyard	282-3758
Kind Words (Amiga)	Pat Langa	242-0282
Excellence (Amiga)	Ken Welker	234-5901

Spread Sheets

Multi-Plan (C-64)	Bill Broda	533-0148

Graphics

Doodle (C-64)	Dr. Doodle Bill Broda	533-0148
Deluxe Paint II (Amiga)	Pat Langa	242-0282
	Mike Taphorn	234-3638
Photon Paint (Amiga)	Mike Taphorn	234-3638
Pro-Video Plus (Amiga)	Pat Langa	242-0282
Digi-Paint (Amiga)	Larry Briggs	345-0220

Languages

Basic (C-64)	Bill Broda	533-0148
6502/6510 Assembly	Pat Langa	242-0282
68000 Assembly	Jim Tomlinson	624-3872
C	Jim Tomlinson	624-3872
Amiga Basic	Jim Tomlinson	624-3872

Continued from "Inside the 64"

questions concerning either binary or hexidecimal, and find yourself contemplating drowning yourself in your bowl of Corn-Flakes every morning because you've been up all night racking your brains out trying to figure this stuff out, don't despair, just give me a call, I'll be glad to help! After all, surely this isn't worth dying for. Anyway join us next month for our first look at assembly language. Until then, Ali Vwor, or whatever.

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AmigaMania
and the dreaded Guru

ISSUE 2 **-Scott Moats & Larry Briggs-** **May 89**

We did it! -again-

Well, here it is, another month and the second edition of AmigaMania. Larry and I have struggled through the late hours of the night, quietly typing, drawing, cutting, pasting, retyping, and redrawing while at the same time trying to avoid the dreaded guru. Yet, as always, just as computer viruses are sneaking into our disks, the dreaded guru manages to creap into our Amigas and wreck havoc. Like an evil creature, the guru hides within our computers waiting for a chance to step on a wire, pull a plug, or reroute an electrical signal. Then, just before you save your work, the screen begins to flash and your computer informs you that the guru has done it again. Yet, despite the dreaded guru, and all his attempts to reorganize and destroy our data, we have managed to put together another paper.

REAL AMIGA PROGRAMMERS

The following segment was taken from: Quail, B. W., That's nice, but what do real AMIGA programmers eat?. AmigoTimes. p74, (Issue 1.4).

Q: What does a Real Amiga Programmer wear?

A: Whatever clothes he had when his mother stopped buying clothes for him, plus a few things picked up during his infrequent trips out into a real world mall. Most RAPs have only one color of socks (20 pairs), because that way they don't have to sort them.

Q: What does a Real AMiga Programmer drive?

A: If a RAP has a car at all (many don't; if it's a choice between a car and a laser printer, the car loses every time), it falls into one of two classes:
1) A 1979 or earlier family battle wagon, with a sunburnt vinyl roof and a hood so large you could land an F-16 on it. These rolling continents get around 8 miles to the gallon, and so they mostly sit.
2) A 1979 or earlier Japanese beer can on wheels, with four cylinder engine (rated at 85 guinea pig power) and no floorboards (they rusted out about 1981).

Q: Where does a typical Real Amiga Programmer live?

A: In an apartment. You can't but all the other necessities of life (real time video editing tape decks. MIDI keyboards, and 200 zigabyte hard disks) and make a house payment too.

Q: When do Real Amiga Programmers sleep?

A: If they have "Real Jobs," at work. If they don't, they don't.

Q: What do Real Amiga Programmers talk about?

A: Amigas. What else is there?

Q: What do Real Amiga Programmers watch on TV?

A: The only reason a RAP has a TV is so he can edit his desktop videos and focus his Digi-View camera. He didn't get into computers so he could have other people thinking for him.

Q: What do Real Amiga Programmers dream about?

A: Ray tracing algorithms that don't take 20 minutes per pixel to calculate; 1080 by 1080 resolution (and enough money to afford the monitor); actually making it to

(continued on Page 2)

(continued from Page 1)

the last level of Arkanoid without resorting to the "cheat" mode.

Q: What do Real Amiga Programmers have nightmares about?

A: COBOL compilers for the Amiga; DRAM shortages.

Q: What kind of people do Real Amiga Programmers marry?

A: Most RAPs can't form that kind of a stable relationship. Those who can seem to be most compatible with a "family-centered" mate. Perhaps this is because most RAPs need as much mothering as possible.

Q: How many Real Amiga Programmers does it take to change a light bulb?

A: None. It's a hardware problem.

Q: Where do Real Amiga Programmers get their jokes?

A: That's not a very nice question.

Q: What do Real Amiga Programmers read?

A: Manuals, Amiga magazines (although they prefer AmigoTimes over all other magazines blatant plug), and comic books.

Q: What kind of movies do Amiga Programmers go to?

A: They're waiting until the ROM Kernel Manual comes out (I hear the RAW: device scenes are really something).

Q: Any finally, What do Real Amiga Programmers eat?

A: Not quiche. Not for the reason you may think, but because most RAPs can't even SPELL quiche, let alone prepare it. Real Amiga Programmers eat things with chemicals (lots of chemicals) in them; it helps them concentrate, and will alleviate the need to be embalmed when they die (RAPs appreciate dual purpose foods). Pizza (until 2am, when they stop delivering), "oven-fried chicken" (yum-yum), and tuna sandwiches (for the cost-conscious (broke) RAP) are favorites.

ABOUT THE AUTHOR

Bob W. Quail lives in a dank, smelly basement apartment with his dog and several other organisms that it's best we not discuss. He works on big I*M machines during the day, and programs his Amiga whenever he has the chance. His current ambition is "to become a really important magazine writer, so that people will send all kinds of free stuff for me to review."

Hole-In-One
miniature golf

Spring is here, and its time to get out the old golf clubs and head for the course. What? You don't have to time to go to the course, and you're not any good at golf? Then I have just the program for you! -HOLE IN ONE- miniature golf. All the fun and excitement of the real game and you can be on the course in 30 seconds.

Hole-In-One comes with five 18-hole courses. The graphics and sounds in the game are excellent. You can hear the club hit the ball, the ball fall into the hole, and the crowd ooh and ahh when you make a hole in one. The game will support up to four players and automatically keeps track of the players scores and the number of strokes each is over par. You are given par plus three strokes to get the ball into the hole. To avoid confusion, each player is given a different color ball.

You recieve a penalty stroke for hitting the golfball into the water. There are also sand traps and slopes to compete with. Slopes are represented with different colors of green. The lighter the color, the higher the slope.

But overall, Hole-In-One is an excellent game, well worth playing over and over again. Also, it doesn't take a lot of skill to get started. So, it's a good game to show friends and family when they want to see what your computer can do. We give Hole-In-One two thumbs up!

DigiTek Software
104 West Seneca
Suite 4
Tampa, FL 33612
Price $26
512K
Copy protected

That's all!

O.K. Larry, come down off the ceiling and quit playing around. We have work to do!

Larry Briggs & Scott Moats

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(618) 345-0220

We are updating our files on our members. With this information we will use it to plan different demos, and it will help give us an idea where the interests in the club lie. It will also be helpful to you as a member if you need specific information on a program, we will be able to stear you to other members with the same interests.

MEMBERS PROGRAM INFORMATION

NAME_____NUMBER_____

PHONE NUMBER_____DATE_____

TYPE OF EQUIPMENT YOU HAVE_____

_____

_____

PROGRAMS YOU KNOW HOW TO USE_____

_____

_____

PROGRAMS YOU WOULD LIKE TO LEARN_____

_____

_____

INTER ANY SUGGESTIONS_____

_____

_____

GATEWAY COMPUTER CLUB
MEMBERSHIP/RENEWAL FORM

DATE:_____ NO.:_____
NAME:_____ COMPUTER:_____
ADDRESS:_____ DISK DRIVE:_____
CITY:_____ MONITOR OR TV:_____
STATE:_____ZIP:_____ PRINTER:_____
HOME PHONE:_____ MODEM:_____
DUES PAID:_$_____ OTHER:_____

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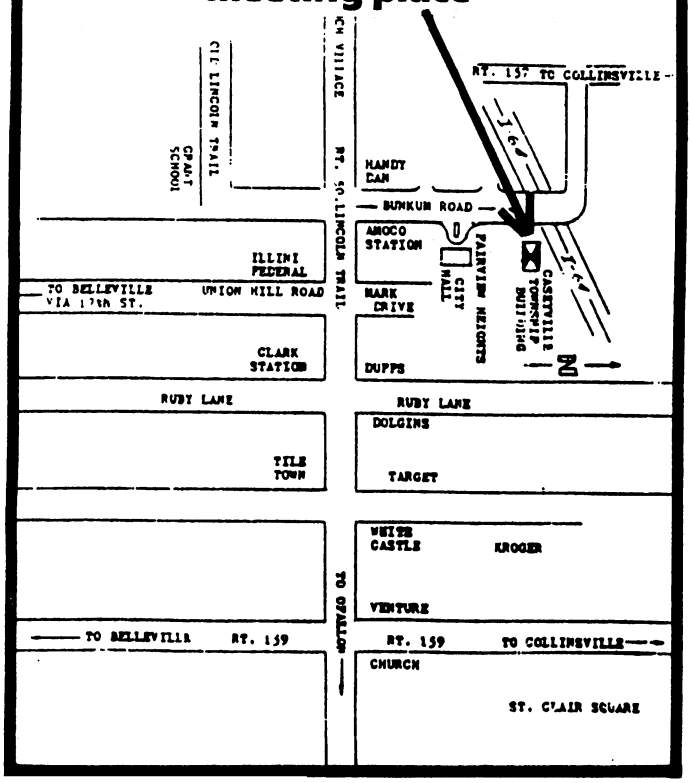
By signing this form and joining the Gateway Computer Club. I hereby agree and consent to abide by the constitution and bylaws of the GCC and the rules concerning copyrighted software and will not copy such software at any club function. I also agree to allow my name, address, telephone number and other information provided above to be used by the GCC for club distribution and related mailing lists.

SIGNATURE:_____

Gateway Computer Club meeting place



GCC Directory

Next Meeting:

May 17, 1898

Next Exec. Bd. Meeting:

May 24, 1989 - 7 p.m.
(Dohack's Restaurant)

Next Copy Session:

August 16, 1989

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

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P.O. Box 1839
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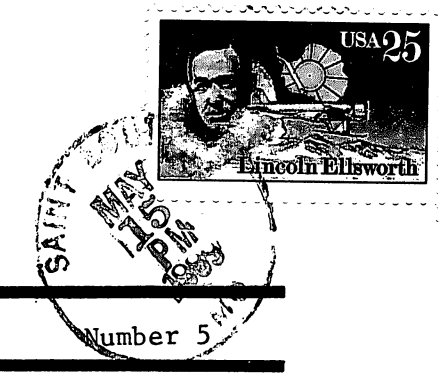

Volume 8 May, 1989 Number 5

Check your dues date!

First Class

Bits & Chips
of the Gateway Computer Club
Volume 8 June, 1989 Number 6

In this issue of the Presidents Two Bits Worth, I am afraid I am going to get up on my soapbox for a few minutes. I hope you will tolerate this, and understand my point.

In the last issue of the Bits And Chips I made comment concerning the different programs used to produce this newsletter. I would now like to add to that list the names of three more programs that we are experimenting with in order to try to bring you the best product that we can.

One of these is a program that when I first started inquiring about it, I was told by the experts at the store that it was not worth having, as it did not work properly, and all it was able to do was transfer files between the two operating systems and could not really run any of the programs from the non-Amiga operating system. Well the name of this program is The Transformer. The version I am using is V1.21. The three programs I want to add to the list are; Transformer V1.21, MSDOS 3.2, and Wordstar 4.0 Professional. All three I am using on my Amiga 500. Now you see this poses a little problem, you see I am not sure whether the experts in the store are wrong or am I just imagining that I am sitting at my Amiga using Wordstar for the I.B.M.. By the way I

Continued on Page 5

Reports

THE CLUB

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MAL:Pat Langa.....242-0282
MAL:Bill Broda.....533-0148

BITS & CHIPS

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MEMBERSHIP REPORT

We have three new members in the G.C.C. this month, Kurt Isbrecht and Lester Wiles of Granite City, and Gary L, Witter of Scott Air Force Base. Welcome Lester and Gary, and welcome back Kurt, There are two members that are reminded to renew their membership by the June meeting to be able to continue to participate in the club. They are: Ken Jeffress and (Steve) John Teetor. A member can renew their membership either by mail or in person at the monthly meetings. Any member may also renew their membership and extend their dues twelve months from their current expiration date. All members MUST have a valid membership card to vote on club matters and participate in our copy sessions.

D.O.M. for June of '89

By Rick Keller

DISK HELPER 5.0

A very useful utility with this program you can:

pull up a directory	rename a file	lock and unlock files
format a disk	scrach a file	lock and unlock disk
unscrach files	error status	rename disk
initilize disk drive	copy files to same disk	rename ID
validate a disk	copy files to another disk	alphabetize directory
squeeze directory	view disk bam	total disk erase
disk eror checker	start and ending addresses	spin disk drive
read seq. file	divide seq. file	

BURNING RUBBER

A game almost like the arcade game spy hunter.

DOG FIGHT

Shoot down enemy Bi-planes.

INSERT PRINT

Print inserts for disk sleeves.

9 SEC. FORMAT

Format a disk in 9 seconds.

COMPACTOR

Compact a basic program to make more room on a disk.

UN-COMPACTOR

Un-compact a basic program that has been compacted by the compactor.

COMPARE PROGRAM

Compare two programs on a disk to check what lines you changed.

Reports

The Amiga Disk Of The Month
TANK - This is one of the Killer Badge Contest entries that won this year. Very original animation of a fish tank. Just click on LOOP for a continuous show or ONE TIME to see it run once. Use the ESCape key to exit from the continuous loop.

CREDITBOOK - This program is designed to record pertinent data concerning a maximum of thirty credit cards. Once you have entered records, you can change, display, sort and examine your accounts. You also have the option of using the program to notify your credit card companies if your card is lost or stolen. Should you ever need to notify a company or all your credit card companies, just enter your name and address and the program will print out a letter for your signature.

QED - QED is a very fast, full featured text editor for the Amiga written in Manx C, and 68000 assembly language. QED offers a variety of options which allow you to customize how each text editing window behaves. For example, QED has a free-form text editing mode which allows you to place the cursor anywhere on a line, and spaces are automatically inserted as needed. Or if you prefer, QED can behave like a sequential file editor limiting cursor positioning to the end of a line.

QED allows you to open multiple text editing windows with unique characteristics. There is no built-in limit on the number of windows which can be opened other then memory limitations, and there is no significant performance penalty for opening multiple text editing windows other then what is normal for the operating system when managing multiple windows.

DISKOLAB - This program is one of the best utility programs on the Amiga computer. Its flexibility and the multitude of its applications makes it a unique tool for the manipulation of files. It will easily handle 1200 files (400 files are supported in the demo version). It provides considerable help to the user for the most important archival functions. It will recognize the 12 functions:

ARC, UNARC, LISTARC,
PAK, UNPAK, LISTPAK,
ZIP, UNZIP, LISTZIP,
ZOO, UNZOO, LISTZOO,

provided that the user has the appropriate archiving utilities in his/her current c directory. The ZIP function is temporarily suspended.

ICONMEISTER - The time has come to throw IconEd in the TRASHCAN! Now there's

Reports

IconMeister, THE paint program for creating Icons. This program was designed for making Icons of all types, sizes, and colors. IconMeister is packed with features for creating interlace, 8 color, and dual icons. IconMeister has twice the features of IconED packed into the same size code space. This is a MUST GET for all Icon masters!

TEXTRA - This document describes TEXTRA, a very user-friendly text editor. TEXTRA makes no claim at being the most powerful editor around, or the fastest, smallest or any-OTHER-est. Just pretty easy to use, that's the goal. And free.

SHOWIZ - ShowWiz combines the features of a display program with those of a slideshow program. This means you can show individual pictures or a whole disk full! ShowWiz has 26 different ways to display your pictures and it works with ALL resolutions, including Overscan. You can even display Text files, with your choice of colors for the background, text, and shadows. Type "ShowWiz ?" to see the various options you have. NO SCRIPTS ARE NEEDED to show a disk full of pictures and you can show as many disks as you like as many times as you like. It creates its own script files, but you can set the slideshow up any way you wish by entering the type of wipe, amount of time to display, and the filename on the command line.

Continued from Page 1

have seen Lotus 123 up and running on this same configuration and have heard of other programs being used in this way. In all fairness none of the programs deal in graphics and from what I have heard you cannot use graphics programs in this way. I will also admit that the made for big blue programs run slower, but when all is said and done if anyone tries to tell you that you cannot use the Transformer to run MSDOS you can tell them I said that's B.S.DOS.

THE PREZ

Amiga Mania
and the dreaded Guru

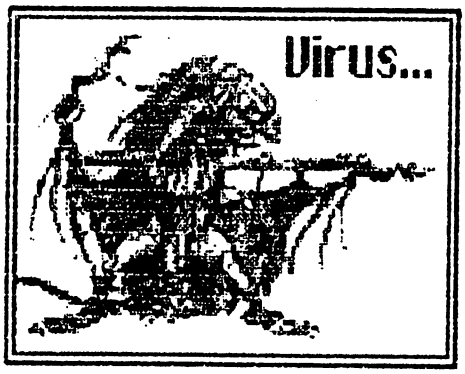
ISSUE 3 -Scott Moats & Larry Briggs- June 89

Overview

Here it is...the third edition of the AmigaMania. This month Larry Briggs and Scott Moats (we're the ones who put this together) have been working overtime.

Larry...Larry? Get up Larry! We have more work to do. Larry...Larry?

Not only did we put this version of our Amiga newsletter together, but we have compiled a couple disks for the Amiga owners in the club. Yet, that's not all! Since not everyone owns an Amiga, we decided to plan something that everyone could participate in. It took us awhile to come up with the idea, but when we did, we knew that it would be something that everyone would enjoy. We have planned a special photo session for everyone! Just read on to find out all about it.



C64/D128

This is for all you computerists that do not read INFO Magazine. In the May/June issue, Loren Lovhaug, editor/publisher of the Twin City Magazine, was interviewed by Mindy Skelton.

The gist of the interview was that Commodore is about to stop making both the C64 and the D128 as well as their peripherals. The rumor is that Commodore will sell all of their inventory to Comb to distribute. When they sell out, that will be the end of the C64 and D128 computers.

Mr. Lovhaug is negotiating with Commodore to take over and try to keep the C64/D128 computers going. He is asking Commodore users to write Commodore and mention his name, and that you do not want the demise of the C64 and D128 computers. So if you want the C64 and D128 to continue, write a letter today!

VirusX

We have all heard of the Virus that is being passed around. Yes, I got it to, on two discs. I was lucky that I had a copy of VirusX by Steve Tibbet that was on the April 1988 GCC DOM. I used it to purge the virus from the two discs, I then decided to check all of my discs, I did fine until I checked a game called Arkanoid and VirusX found a boot block that was not normal and asked me if I wanted it removed. Thinking it was a virus, I did and low and behold it was not a virus but a non-standard boot block. The program would not load any more - good thing Arkanoid supplied a backup. The moral to this story is, if you are not sure, don't overwrite a boot block!

MNEMONICS

AAC -Alter All Commands
AIB -Attack Innocent Bystander
BBW -Branch Both Ways
BDC -Break Down and Cry
BF -Belch Fire
BOD -Beat On the Disk
BOI -Byte Operator Immediately
CH -Create Havoc
CMD -Compare Meaningless Data
CML -Compute Meaning of Life
CNB -Cause Nervous Breakdown
CPPR -Crumple Printer Paper and Rip
CAB -Crash And Burn
CRN -Convert to Roman Numerals
CS -Crash System
CSL -Curse and Swear Loudly
CVG -Convert to Garbage

Comment

DBTP -Drop Back Ten and Punt
DBZ -Divide By Zero
DC -Divide and Conquer
DDC -Dally During Calculations
DLN -Don't Look Now...
DMNS -Do what I Mean, Not what I Say
DNPG -Do Not Pass Go
DO -Divide and Overflow
DOC -Drive Operator Crazy
DP -Destroy Programmer
DTVFL -Destroy Third Variable From Left
DW -Destroy World
ECO -Electrocute Computer Operator
EFD -Emulate Frisbee Using Disk Pack
EIAO -Execute In Any Order
EMPC -Emulate Pocket Calculator
ENF -Emit Noxious Fumes
EP -Execute Programmer
EROS -Erase Read-Only Storage
FLI -Flash Lights Impressively
FSRA -Forms Skip and Run Away
GCAR -Get Correct Answer Regardless
GDP -Grin Defiantly at Programmer
GFD -Go Forth and Divide
GFM -Go Forth and Multiply
HCF -Halt and Catch Fire

Well, that's it for another issue of AmigaMania. As always we hope that you enjoyed it. Also, we haven't had much feedback on our Amiga newsletter. What's going on out there? Tell us, do you like it? What part do you like best? What don't you like? Let us have your opinions. If we don't get any feedback then we're going to assume that noone appreciates our effort and we're going to quit putting this together. So, if you want to see this in the months to come, you had better speak up!

O.K. Larry, you can have that coffee break now. But, be back in five minutes so we can start the next issue. Larry...Larry? Get up off the floor! Larry....Larry?

L.B. & S.M.

Larry Briggs & Scott Moats

TREASURER'S REPORT

By Ken Welker

Balance May 1, 1989. $550.52

I	AUCTION	$ 70.60
N	D.O.M. SALES	$ 58.00
C	BLANK DISKS	$ 190.00
O	MEMBERSHIP	$ 105.00
M	50/50 RAFFLE	$ 3.00
E	SODA	$ 10.19
	INTEREST	$ 5.00
	MAY INCOME	$441.79

E		
X	NEWS LETTER	$ 73.45
P		
E	VIDIO TAPES	$ 12.69
N		
S	DOWN LOADS	$ 22.46
E		
	MAY EXPENCES	$108.60

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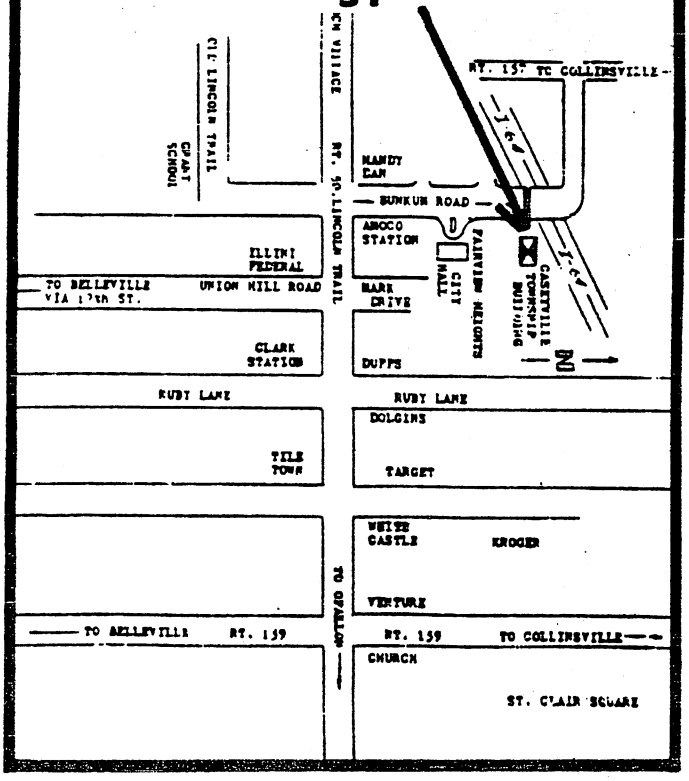

GCC Directory

Next Meeting:

June 21, 1898

Next Exec. Bd. Meeting:

June 28, 1989 - 7 p.m.
(Dohack's Restaurant)

Next Copy Session:

August 16, 1989

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

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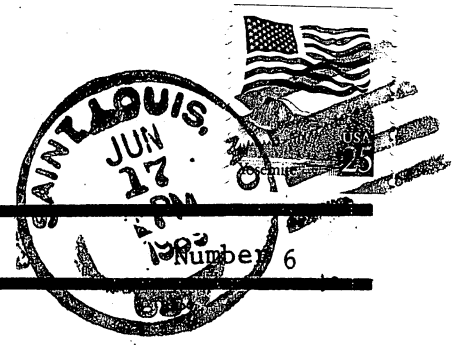
P.O. Box 1839
Fairview Heights, IL 62208



Volume 8 June, 1989 Number 6

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 8 | July, 1989 | Number 7

Some of you might be wondering just what a picture of a Model T is doing on the front page of the Bits & Chips . It has to do with survival , survival of a grand old lady . what the Model T was in it's day the Commodore 64 is today . The one computer that Mr. and Ms. Anyone can afford , the computer that probably did the most to put Commodore Business Machines on the map .

Sure the Amiga is here now , it's sleeker , it's faster , it's flashier and more powerful . Is it the computer for everyone , the computer that Mr . and Ms . Anyone can afford for themselves and their family , especially if they are new to computers and are curious but still want an excellent computer . Your guess is as good as mine , and probably better than C.B.M.'s . For as you see , they have apparently decided to discontinue the 64 and the 128 .

In this issue of our newsletter you will find a petition concerning this travesty , please read it , please sign it , and please show it to your friends and neighbors and let them do likewise . Lets let C.B.M. know what we think of our 64's . Thank you .

THE PREZ .

Reports

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BLANK DISKS	$120.00
MEMBERSHIP	$ 45.00
50/50	$ 2.00
SODA	$ 1.10

JUNE INCOME.....$226.60

E X P E N S E S

NEWS LETTER	$ 52.00
POSTAGE	$ 25.00
VIDEO CABLES	$ 11.57
BLANK DISKS	$248.50

JUNE EXPENSES.....$337.07

CURRENT BALANCE.....$772.44
AS OF JULY 1, 1990

THE PRESIDENTS TWO BITS WORTH

Another month and another article for the newsletter , maybe if I keep trying I'll get one right . Till then I'll just keep plugging away. If you are wondering why I am not using Wordstar again this month , it's because I just like playing with wordprosessors , in fact to be honest I just like playing with computers whether they are put out by Commodore , I.B.M. , Apple or compatables thereof . Speaking of wordprosessors and the like I will be putting together a demo of Geos v2.0 for the next regular meeting (see a review of Geos v2.0 later in this issue). If you are interested in Geos , or just curious , I'll try my best to answer your questions , spark your interest and hopefully learn something from you.

Speaking of demos Everett will be demoing Superbase for the C-64 . Productivity abounds at our next meeting , all we need is you , your curiosity and hopefully your T.V.s and power cables so we can get some use out of our video scanner . How's this for an idea , why not bring your power cords , T.V.s and computers , just because it is not an official copy session does not mean we can't get some use out of the library , it will be there . Besides if there is a specific program you are having trouble with or would like to share with the group , what better way than to bring your equipment in , boot up the program and let it run . If you are showing off the program more people will see it this way , and if you have questions about a program what better way than to run it and let others see exactly what you are talking about . Sometimes it seems even if noone there has used it before you get enough heads together and between you , you just might puzzle it out .

There are a few things we would like to see here at the Bits and Chips office. We would like some imput or feedback concerning the newsletter, this will be the sixth issue of the newsletter that Bertha has put out , and is half way through her term in office and would like to know how you all think she is doing.

Also we would like imput in the form of articles for the newsletter. Pick out a favorite program, whether it be a program for entertainment, productivity or education, believe me there will be a member who would like to read about it. Besides, another good reason for submitting an article is the more submitted the less of my writing you will be subjected too. Now that should spark your creative writing.

AMIGA DISK OF THE MONTH

JRCOMM - A thousand pardons go out from the author of this great terminal program as there were still a few bugs that needed to be killed. This will be the last release before V1.0 as a full-featured shareware program. The author plans to do this one right as he will mail V1.0 to those who have registered, then wait three months to send to the bulletin boards. Read README.1ST for instructions.

TFL-MAY89-rev3 - TFL stands for The Final List. This is a listing of bulletin boards that support the amiga around the world. This list can be used by AMIC and ACCESS with no editing. There are several other files provided including a programmers manual and a user manual. This file has no ICON.

THRUST - A CLI-only demo that shows some of the great graphics of the amiga off.

RALPHTOOLS - Although you won't see an ICON marked this way there is a whole set of tools (they look like hammers) for ICON-work. BecomeProject changes an icons attributes to look like a project tool. BecomeTool to make it a tool. CopyDefTool copies the definition of a tool to other icons. CopyIconImage copies one image set to other icons. FloatIcon allows an icon to float to free positions in the window.

ATREE.ARC - Unarc this file to another disk. This produces a graphical representation of the structure of a disk. Especially handy for those who have hard drives.

NIB.ARC - A neat disk copier in the public domain. Includes parameters for backing up your commercial programs. Use pkax to unarc to memory then use warp to write a new disk.

PRINTPLUS.ARC - A background file print utility. Must be used from CLI. Unarc to another disk.

PATPIC.ARC - If you've ever wanted to print out a nice HAM mode picture, this is the program for you! Unarc to another disk.

P.S. - It has always been my intention to provide to you the club members the finest in P.D. software as soon as it comes available. For this reason, this and most other AMIGA disks from the GCC are not bootable. Also as I get last minute items in I tend to put only the archive file on the disk as this saves room. This has two-fold benefits of getting the latest to you and saving room on the disk. IF for any reason you have problems getting something unarchived or running, please call.

GEOS V 2.0

Well it's been awhile since I have done a review for the newsletter , so I figured it's just about time . Also to be honest I am over at my in-laws to spend the night because the air conditioning went out at the old homestead and it's just to hot to sleep there . So being the get up and go type person that I am (ha ha) I decided to do a little work while I was here .

When I had my C-128 one of my favorite programs to use with it was GEOS-128 , so to be honest at the outset I have to admit that I may be just a tad bit prejudiced in favor of GEOS . After all it is one program that helped me decide in favor of getting my Amiga as Workbench for the Amiga is alot like Geos only supercharged and running on jet fuel . But if you like the looks of a 16-32 bit machine but can't justify the cost Geos v2.0 may be just what you are looking for .

Why Geos v2.0 (viaduct via no chicken)? First of all you get geo-Write v2.1 which according to the box gives you a full featured word processor which does do a few more things than it's earlier version , **including more** fonts , which is always fun , **but** *I also* enjoy **playing** around with styles . What can I say I'm a word processor junkie . All in all it has 10 different fonts in various point sizes , it also boasts pagination , mixing text and graphics , multiple columns (which I will admit even after checking the docs out I have not figured out how to use) , and even a driver for postscript (read laser) printers .

Other new features include a text grabber (which used to be an option) for importing text from other word processors , geoMerge to create customized form letters and labels , geoSpell , yes that's right they finally added a spell checker to Geos , but between you and me it is not one of the programs strong points .

Those of you who like to use your 64 to generate graphics should not feel left out as they have also upgraded geoPaint to include ; stretch and scale , overlay effects , and new graphic shapes (ellipses , squares , and connected lines) and much more .

According to the package the system requirements for Geos v2.0 include a c-64 , 64c , c-128 or 128D , a monitor or T.V. , a 1541 or 1571 disk drive , joystick or other input device . I f I may be so bold as to express my opinion a mouse rather than joystick and a second disk drive , even a 1581 , couldn't hurt.

After working with Geos again I just may have to put my Amiga up on the shelf (just kidding Bertha), but it can add to your productivity , and more importantly , it's fun. *The Prez*

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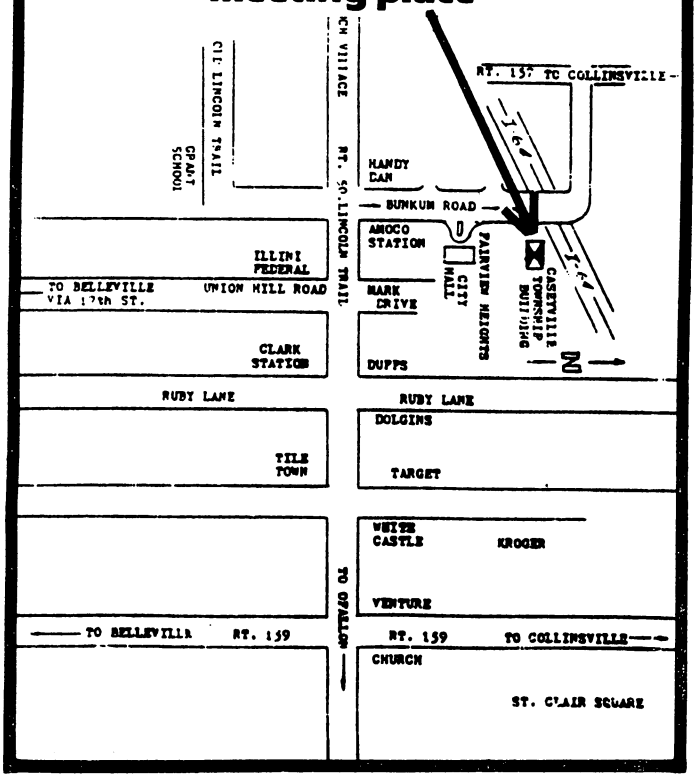
Gateway Computer Club meeting place



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July 19, 1989

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July 26, 1989 - 7 p.m.
(Dohack's Restaurant)

Next Copy Session:

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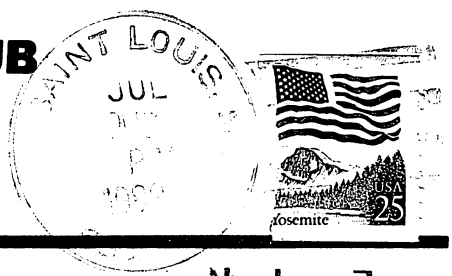

Volume 8 | July , 1989 | Number 7

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 8 August 1989 Number 8

Gateway S.I.G. Notice

Wednesday, Sept. 6, the Gateway Computer Club will hold their first S.I.G. night (special interest group night) in the same building that regular meetings are held. If enough interest is shown, three different S.I.G.'s will be presented. If you are interested in attending any of the following S.I.G.'s on that night, contact me (Pat Langa 242-0282). There will also be a sign up sheet at the August club meeting. If you sign the list, please be sure to include your telephone number in case your S.I.G. should be cancelled. Here is a list of the currently scheduled S.I.G.'s:

1) Basic Commodore 64. This S.I.G. will cover basic operation of the C-64. This includes system commands that control disk drive operations, and probably will also cover a popular word processor.

2) The Commodore 64 & Machine Language. The S.I.G. is intended for advanced 64 users. It will cover binary, Hexadecimal, and finally go into the basics of Assembly language on the Commodore 64.

3) Amiga CLI. This S.I.G. will cover Amiga Command Line Interface (the CLI) commands. This is information that any Amiga user will greatly benefit from knowing.

All Three meeting will be going on at the same time, and are scheduled for 7:00 that evening. Please call me, or sign the sheet at the August club meeting if you plan on attending. Thank you.

PRESIDENTS 2 BITS WORTH

You have probably already noticed the condensed version of the newsletter this month ; well to be honest we are trying to cut corners here at publishing central . The newsletter is the clubs biggest regular expense , and even though we are non-profit we have been spending on the average more than we are incoming and even non-profit won't exist very long doing that . So we are going after our biggest expense and trying to cut down .

We need your imput on this and other ideas the board kicked around , ie going to a one or two page newsletter , or even putting the newsletter on disk which would be given to each registered member as they enter the meeting with just a postcard sent as a reminder of meeting nights.

Other notable news ; gather your stuff , the last auction was such a success that we are going to try it again in Sept. so bring your stuff and your money .

We have been getting some feedback that we seem to be slighting the 64 and the 128 , if we have it has been purely unintentional , it just seems that most of the people coming forth to do demos and tutorials, with the notable exceptions of Bill, Everett, Earl and myself , seem to be Amiga people . All I can say is maybe 64 and 128 owners should start coming forward to do demos and tutorials.

Speaking of the 128 I have some addresses for those of you that like playing with the C/PM side.

TOG
P. O. Box 3474
Daly City, CA 94105-0474
(415) 755-2000

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AMIGA DISK OF THE MONTH

MANDELVROOM -

What is a Mandelbrot set

The Mandelbrot set is the set of all the complex numbers for which the value of a complex function (usually Z*Z +/- C) is finite even after an indefinitely large number of iterations.

MandelVroom determines the part of the complex plane comprising the Mandelbrot set, according to the following procedure:

Consider the algebraic expression Z*Z + C, where Z is a complex variable, and C is a complex constant. For a range of values of C, we:

1. set the initial value of Z equal to the complex number 0
2. calculate the expression Z*Z + C = Z'
3. substitute Z' in the expression and calculate again, repeating the process until we reach infinity (or a preset maximum iteration count).
4. Repeat the steps 1 thru 3 for a new value of C.

We map the Mandelbrot set calculated in the above process in a three dimensional coordinate system where the X and Y coordinates represent the real and imaginary values of C, and the Z axis represents the iteration count we obtained in step 3.

Quoted from the article in Scientific American:

The Mandelbrot set broods in silent complexity at the center of a vast two-dimensional sheet of numbers called the complex plane. When a certain operation is applied repeatedly to the numbers, the ones inside remain to drift or dance about. Close to the boundary, minutely choreographed wanderings mark the onset of instability. Here is an infinite regress of details that astonishes us with its variety, its complexity and its strange beauty.

What is a Julia curve

To calculate a Julia curve, we use a process similar to the one we used to create the Mandelbrot set. The difference consists in the fact that the user will choose a C complex constant (MandelVroom will ask you to set a Julia seed), then we will apply steps 1 thru 4 for different values of Z.

What is MandelVroom

MandelVroom is a Mandelbrot picture generator that allows you to explore the Mandelbrot set. It provides you with tools to zoom in and out, and to move around it. You can also create Julia curves whose pattern is based on a location in the Mandelbrot set or in a previously generated Julia curve.

C-64 DISK OF THE MONTH

The C-64 disk of the month includes :
"Home Budget Maker"
"Family Tree" , helps you make a family tree going back 4 generations.
"Speaker Center" , helps you create your own speakers for your home.
"1541 Speed-head" , Speeds up the performance of your disk drive.
"Sound Effects"

TREASURER'S REPORT

By Ken Welker
Balance July 1, 1989. $772.44

I		
N	D.O.M SALES	$ 51.00
C	BLANK DISKS	$ 288.75
O	MEMBERSHIP	$ 60.00
M	50/50 RAFFLE	$ 2.00
E	SODA	$ 4.40
	JULY INCOME	$406.15
E	DOWN LOADS	$ 13.39
X	NEWS LETTER	$ 53.60
P	POSTAGE	$ 25.00
E	VIETNAM VETS	$ 30.00
N	BLANK DISKS	$148.50
S	CLUB CAMERA	$ 50.00
E	P.O. BOX RENTAL	$ 36.00
	JUNE EXPENCES	$356.49
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As of August 1 , 1989

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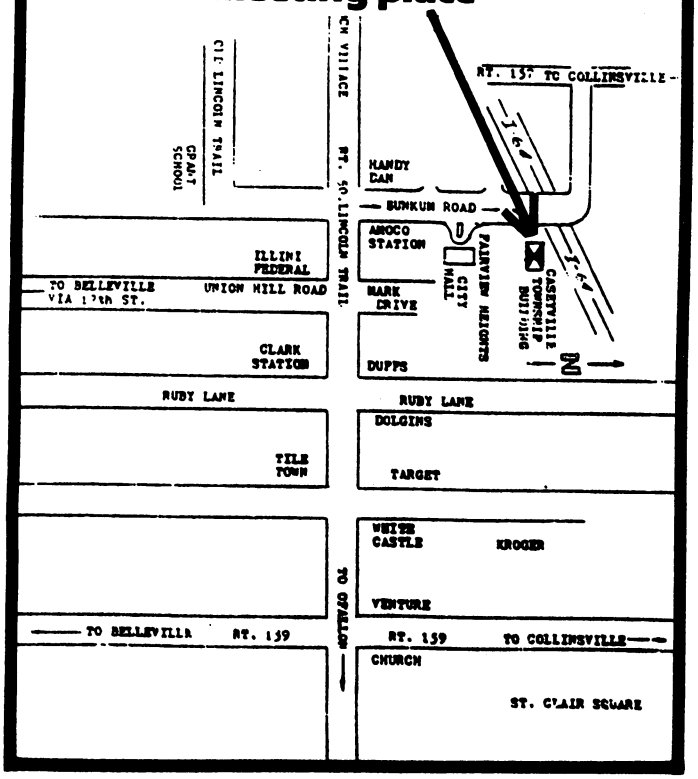
Gateway Computer Club meeting place



GCC Directory

Next Meeting:

August 16

Next Exec. Bd. Meeting:

August 23 - 7 p.m.
(Dohack's Restaurant)

Next Copy Session:

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

GATEWAY COMPUTER CLUB
P.O. Box 1839
Fairview Heights, IL 62208

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

September 1989

the presidents two bits worth

First of all a big reminder to everyone that this meeting we are having another auction. So whatever you do bring your stuff and bring your money , for that matter bring your friends and bring your friends stuff and money (we are not proud we'll take anybodies money).

Next I would like to welcome Van Bushue of Mount Vernon and Ray and Corrine Macklin of St. Genevieve Missouri as the newest members of the Gateway Computer Club . Welcome aboard.

On the downside Richard Koerper , Sandra Adams , Gerold Ashbaker , Virgil Brawley , Gary Donaldson , Jack Hammond , John McWhorter , Dan Radick , Charles Trotter , Juanita Welker , and Jeremy Wisniewski all need to re-up because your memberships need to be renewed. Remember you can renew at the meeting , by mail or just give one of the officers your name and dues.

Well that is all I want to say for now for you see even though a number of people said they would write articles for the newsletter the only one we recieved was the Treasurers report , so I am going to be a little lazy this month and keep it short.

See you at the auction.

THE PREZ.

THE CLUB

The Gateway Computer Club is a not-for-profit organization of like-minded Commodore computer users. Membership fee is $15.00 per year. Members received access to the club's public domain library, educational programs, literature and monthly "Bits & Chips". Direct all membership applications and questions to the Gateway Computer Club c/o P.O. Box 1839, Fairview Heights, IL 62206. Only public domain programs are kept in the G.C.C. library. Reproduction of copyrighted software is not promoted nor condoned by the G.C.C. and will not be tolerated at club functions.

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BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, IL 62040.

REPRINTED FROM CATALINA COMMODORE COMPUTER CLUB INC.
vol. 7 no. 4 April 1989

TIPS FOR GEOS GRAPHICS

by E. William Huffman, SC Cubed

Some computer buffs have held back on using computer graphics because of the fear that they involve too much work. True, they do take some effort, but with the use of some crutches and tips for short cuts they can be real fun as well as useful, as we shall soon see.

If you read my article in the June, 1988 Compute's Gazette, you will notice the dimensions of documents, normal edit window, pixel edit window and album pages are all in pixels. The article, called "GEOPAINT SUPER CHART," also described how to make grids which become the backbone of your graphics and the key to reducing the effort required. A full page document on GEOPAINT is 640 pixels wide and, at 80 pixels per inch on my Epson FX80, prints to 8 inches. Vertically, there are 720 pixels which, at 72 per inch, print to 10 inches.

Roger T. Conway expanded on my article in "BECOMING A GEOPAINT PRO" in the January, 1989 Compute's Gazette. The article you are now reading will explain how to make and use grids to easily create Geos Graphics. Most graphic projects consist of rather simple line drawings like house plans, maps, pictures of buildings, etc., or more complicated freehand curved drawings used as illustrations.

Let's start with the making of a map. Say you live in Sacramento, south of Marconi and between Watt and Eastern. You plan to have a number of parties or perhaps run a SIG and you want to have sophisticated professional maps on 8-1/2 x 11 paper to send your guests so they will be able to find your house. Obtain a street map of the north area and decide just how much territory you want to show. You decide that at least a part of McClellan Field should be included. I-80 to at least Greenback and Manzanita-Fair Oaks through Carmichael ought to be displayed while U.S. 50 and Folsom Blvd. should appear along the southern edge of the map. To the west you decide to at least include the intersection of U.S. 50 and State 99.

On the AAA map I am looking at this covers 14" east and west and 18" north and south. "But," you object, "my printer only handles 8-1/2 x 11 paper." Now, just keep calm a bit until I finish. First, draw a grid of squares 2" on a side to cover the area you have just selected. Label the upper left hand corner as coordinates 0,0. Now, along the top of the area outlined, label the first vertical line 80 pixels (assuming your printer prints 80 dots per inch). The second vertical line becomes 160, then 240, 320, 400, 480 and 560, which is your seventh line or 14" on the map.

[Ed. Note: If your printer is a 60 dpi (dots-per-inch) printer (Okimate 10, for example), you can accomplish the same thing by substituting 60 pixels for the 80 pixels when measuring for the vertical lines. Your image may look distorted on the screen (elongated), but it will print out in the proper proportion on your printer.]

Repeat the labelling along the left edge of your area, but the first horizontal line from the top becomes 72 pixels, if your printer is like mine. The second line down becomes 144, then 216, 288, 360, 432, 504, 576, and finally, 648. Now you have a grid overlay for the map. The next project is to fire up the computer and load GEOPAINT. On a new document create a grid of squares that will print out at 1" x 1" on the hard copy. First, draw a horizontal line along the top of the edit window and a vertical line along the left edge of this window.

Along the top line count over 80 pixels and make a mark. The easy way to do this is to use the pixel edit window and select the tape measure to see how far 80 pixels brings you. With the pencil tool make a mark at about this location and measure again. You will be short or long five or six pixels, so just count out the shortfall, make a new mark and erase the old temporary mark. Now draw a vertical line using the line tool. Repeat every 80 pixels across the top of the document and use the line tool to draw these vertical lines all the way to the bottom of the document.

Next, draw the horizontal lines of the grid at the 72 pixel points until the grid is completed. Actually, you will complete one entire edit window at a setting for both the vertical and horizontal lines. After the grid is completed you should use the text tool to label your grid lines along the top and left edges. Lo and behold, you now have a grid in your computer exactly like the grid on the map, except your created grid will now fit your printer paper. Be sure to give this grid an identifiable name and store it in your permanent GEOPAINT files, for you will use it many times, hopefully.

Decide on a few well-known landmarks and outline on your computer grid, say, the Fairgrounds, McClellan Field, Carmichael Park, State College Campus, and perhaps one or two other well-known places. Calculate or estimate the pixel coordinates for the ends of the straight lines surrounding the selected landmarks, Then just use the line tool to connect these points and presto, you have outlined them and are ready to use the next tool to give them their labels.

One way to calculate the pixel coordinate of a point is to measure in inches from the grid lines you drew on the city map using 40 pixels per inch horizontally and 36 vertically (remember you are reducing the map to half size). [Ed. Note: That's 30 pixels per inch horizontally for a 60 dpi printer.] Another way is to take two strips of white cardboard and along the edges make a ruler at least two inches long and mark off 80 [60] spaces per two inches and label in pixels. Do the same for vertical measurements at 72 marks in two inches and use these scales to measure to the right or down from grid lines on your street

map. Determine the pixel coordinates for the ends of straight line segments of desired features on the street map and reproduce them on the screen grid. Fill in the curved lines by eyeball or, if you have the latest updated GEOPAINT, use the curved line feature. For the American River Parkway note the pixel intercepts on the map grid and transfer to the screen and mark. Eyeball the curves in between.

Draw in the freeways and a few selected surface streets leading right to your home. Of course, your home has a distinctive symbol of some sort and its address as well as the names of the roads are all labelled using the text tool. Naturally, you will include a fancy title block in the lower right hand corner or some location with a blank space. Don't forget to include a north arrow. If you want to be real fancy, and have a color printer, make the freeways red and the Parkway and landmarks in green and blue. You can do the same by using color ribbons and what I call the lost wax method of reproduction. This involves multi-filing your finished Geos map under different titles, such as "MAP GREEN," "MAP RED," "MAP BLUE," etc., while keeping your complete map as just "MAP." The important thing is to be able to store and recall each from files as separate documents. In no way would you want to rename a document without first having the original in a permanent file.

To use the lost wax method of printing with colored ribbons take, for instance, the document "MAP GREEN" and load to the screen. Now erase everything on this document that you don't want to print green. This includes the grid lines and labels, also. Do the same for the other colors. Place the appropriate ribbon on the printer and make an index mark on your paper guide so that it lines up with a sprocket on the paper feed when the paper is exactly where you want to start printing. Now print "MAP GREEN" with the green ribbon, turn off the printer and back up the paper to the identical same index mark you started out with. Repeat for all the other colors except black, which is a special case we will now describe.

For black load "MAP," but keep a copy in the permanent file. Rename to "MAP BLACK" and erase everything to be printed in color, including the grid lines and grid labels. Now the paper can be backed up again and printed with the black ribbon. If all this backing up doesn't appeal to you, keep the document in black or go ahead and make a master print in color and use a color copy machine for the reproductions.

Be sure to keep the one-inch-square grid in your GEOS files because it will be very useful for all your simple linear drawings. However, for pictures with complicated features or lots of curves, it would be better to make a GEOS grid at 10 x 10 pixels. This can be quite a chore for the entire document, so speed up the process by first drawing short grid lines across the top and along the left edges in pixel edit mode. Then in an unused space make a sample 10 x 10 grid, somewhat smaller than a full edit window, and by copy and paste procedures, transfer this segment up against the edge segments and they will snap into place. This is real easy with the upgraded program, because drawings can be moved a pixel at a time, which makes aligning new segments to old segments a snap.

After the 10 x 10 grid is complete and properly labelled, use a new black ribbon and print it out on paper. I use code marks at every 50 pixel intersections, so with this grid loaded I can identify the exact pixel value of any line, even in pixel edit mode. This is very important on a fine grid. This hard copy can then be taken to a copy shop and reproduced as a transparency at its original size or at various reductions. Then you merely overlay the desired transparency over the drawing you want to reproduce. With the grid loaded and displayed on the screen, you just transfer intersections of lines of the drawing with the lines of the transparency to the corresponding lines on the screen and make a mark. Then it is a matter of connecting dots. It is not difficult to eyeball in curves on such small grid squares.

When the drawing is completed, be sure to erase all the grid lines and labels, add any text desired and print. Here again color can be used as described above. Happy graphics.

TREASURER'S REPORT

By Ken Welker
Balance Aug. 1, 1989. $822.10

INCOME

D.O.M. SALES	$ 44.00
BLANK DISKS	$ 68.00
MEMBERSHIP	$ 30.00
CAPS	$ 2.65
SODA	$ 1.69

AUGUST INCOME.....$146.34

EXPENSES

NEWS LETTER	$ 26.50
POSTAGE	$ 15.45
SODA	$ 8.20

AUGUST EXPENCES.....$ 50.15

CURRENT BALANCE.....$918.29
AS OF SEPTEMBER 1, 1989

REPRINTED FROM AMIGA USERS OF THE HEARTLAND INC.
THE NEWSLETTER JULY, 1989

Microbotics' 8-UP! (DIP) Memory Expansion Board

Hardware Review by Thom Brooke

This is going to be a lot shorter than I had originally anticipated, and probably a lot duller. In this case that's good; it means the whole process went without a hitch.

I plan to fill my B2000 with hardware (eventually), so I needed a memory board which (1) could hold the maximum of 8 MB (so I don't waste precious slots), (2) was autoconfiguring (so my startup-sequence doesn't grow to fill a floppy), and (3) consumed very little power (since I find that other boards can suck up the juice). Since I already had the MicroBotics HardFrame SCSI disk controller card [see the review in last months' newsletter], and was extremely satisfied with it, the MicroBotics 8-UP! memory board was the obvious choice.

The 8-UP! comes in two flavors, each retailing for just under $200. The original 8-UP! used SIMMS (Surface mount Inline Memory Modules), which are 1 MB memory "cards", consisting of 8 (or 9) chips mounted onto a single card. These SIMMs are then plugged into the sockets on the 8-UP! board. Since SIMMs are more expensive than the individual chips, MicroBotics offers a product called a "Pop-SIMM", which is a SIMM module without the chips. You buy the Pop-SIMM, populate it with your own chips, and then install it on the 8 board. Pop-SIMMs retail for about $20 apiece.

Lately, however, MicroBotics has begun offering the 8-UP! DIP, which is the same 8-UP! memory board, without the need for SIMMs (or Pop-SIMMs). Instead, it accepts 1 Mb (Mega-bit) chips directly, so you don't have to pay extra for the SIMMs or Pop-SIMMs. The original 8-UP! is widely available for about $145; I haven't yet seen the DIP version for much less than retail. Of course, if you populate it with 4 MB, you save about $80 on Pop-SIMMs, and you're already ahead.

The 8-UP! board requires chips with a nominal rating of at least 150 ns (for memory, the smaller the number, the faster the chip), which isn't a problem since about the slowest chips widely available are 120 ns. I bought 100 ns chips from Sabina Tech for $16 apiece (120 ns chips were $15 each). At $128 per MB, I took 4 MB worth.

The only problem I had was controlling my nervousness while inserting the chips. Memory chips are rather sensitive to static electricity, so if you aren't careful, you can fry a $16 chip in the blink of an eye. I was VERY careful. If you're going to install your own chips, I recommend you (1) have the right tools: an anti-static wrist strap, IC inserter/extracter, and an IC pin straightener; and (2) have a calm and patient demeanor: you can't rush things or you'll make a mistake. I was lucky.

The board comes packaged with a sheet of "quick reminder" instructions, and a disk which contains the "real" manual, and a suite of memory tests to exercise the board. These tests should work for *any* expansion memory, but of course are only warranted for the MicroBotics' boards.

After inserting all 32 chips, and checking to be certain they were all properly in place, I had to set the jumpers to tell the board where I had put the memory. The instructions are rather unclear on this; in one place it says the memory can be installed several ways, in another it claims it *must* be installed in a particular order. I took no chances and followed the "must". I set the jumpers, plugged the board in, and fired up the machine with the diagnostic disk.

The test program virtually runs itself, and tells you very clearly what it's doing every step of the way. It does have to reboot the machine for you, so it can avoid the autoconfig, and while this is a little unnerving, the program lets you know it's about to do so and gives you a chance to quit. You get to choose which test(s) to run, and only the sneakiest memory errors can get past them all.

Well, it worked. In about an hour I had installed 4 MB of memory, set up and installed the board, and tested the whole shooting match. The worst part is that the only difference I see is a slightly bigger number at the top of the Workbench screen. Of course, I didn't expect things to run any faster, but I did kind of hope for something a little more tangible. I suppose in this case, it's what you don't see that matters.

-- Thom

...the only difference I see is a slightly bigger number at the top of the Workbench screen....I did kind of hope for something a little more tangible. I suppose in this case, it's what you don't see that matters.

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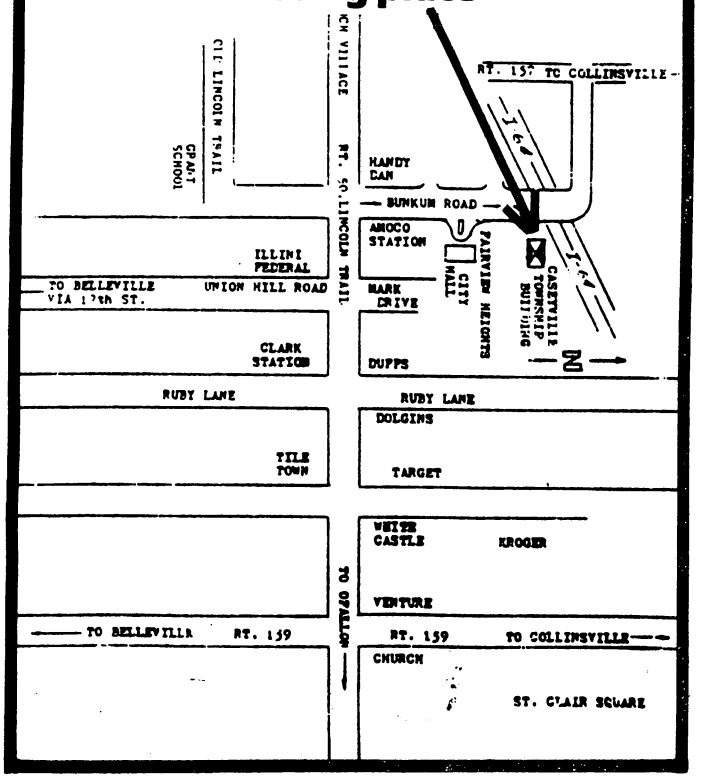
Gateway Computer Club meeting place



GCC Directory

Next Meeting:

Sept. 20, 1989

Next Exec. Bd. Meeting:

Sept. 20, 1989
(To be Confirmed)

Next Copy Session:

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

GATEWAY COMPUTER CLUB
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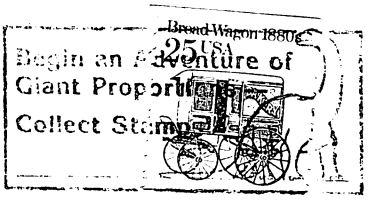

September 1989

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 6 Oct. , 1989 Number 10

CROSS ROADS

As a club we seem to be standing at a crossroads , that is to say , will this organization continue to function as an ongoing viable club , or are we faced with new options . This club has functioned for the past two or three years as do most organizations with most of the work being done by the very few to the benefit of the many . The time for this may be coming to a close . It is time for the torch to be passed to a new group of individuals . Individuals who will be willing to shoulder the burden of responsibility to keep this club going , individuals with the drive and charisma to motivate more members to be involved . Whether that involvement is to serve on committees , write articles for this newsletter , or just generally be willing to help out when and where needed.

What is to be considered in this future is the direction this organization will take . Will we continue in our present direction with officers who lean more towards the Amiga rather than the 64-128 configuration , will we return to our roots and let the Amigites take a backseat , will there be a schism in the group leading to two seperate clubs , one Amiga and one 64-128 minded . Or can some individual or group of individuals come forward to marry these two groups into one cohesive unit .

This brings me to the next part of my sermonette . Elections are to be held in November as in accordance with our bylaws , and if we are to hold an election we need nominees for our offices . So now is the time to be thinking of whom you would like to have lead this organization into the next decade .

The general concensus seems to be that very few if any present officers will be willing to run for their office again , and I can speak with absolute certainty that I and my wife your editor Bertha , will not be running again . Not that we will be dropping off the face of the earth , or anything as drastic as that , we will still be around but as regular members , but we will be needing a new slate of willing and at times aggessive people .

So remember October is the month for nominations , and November the month for the elections . So my fellow computerist think long , think hard , the future of this organization rests in your capable hands.

THE CLUB

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MAL:Bill Broda.....533-0148

BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, IL 62040. Camera-ready advertising must be received by the first of the month to be included in the issue of the month. Rates are as follows: Full Page - $15.00, Half Page - $7.50, Quarter Page - $3.75, and Business Card - $10.00 for 6 months.

Contents of the "Bits & Chips" may be reprinted by other club newsletters if accompanied by the author's name and credit is given to the GATEWAY COMPUTER CLUB. The G.C.C. assumes no liability for errors in articles or advertisements.

Treasurers Report
by Ken Welker

Balance Sept. 1,1989	$918.29
Income	
Auction	$ 3.60
D.O.M. Sales	$ 44.00
Blank Disks	$ 40.75
Membership	$ 105.00
50/50	$ 1.00
Soda	$ 6.50
Sept. Income	$ 200.85
Expences	
Newsletter	$ 41.10
Postage	$ 25.00
Downloads	$ 66.73
Sept. Expences	$ 132.83
Balance Oct. 1,1989	$ 986.31

Membership Report
by Everett Truttman

We have four members who need to re-up this month , these are : James Briggs , William Broadwater , William Broda , and Pat Langa .

REPRINT FROM JUNE, 1989 SAN FERNANDO VALLEY COMMODORE USERS GROUP. Written by Ed McCormick

PARTNER 64 & 128

At a glance:

Press a button! And PARTNER "automagically" suspends the existing program in your computer while you use the PARTNER accessories. When you are through, PARTNER returns you to the point in your program where you left off.

Accessories At Your Command:

Appointment Calendar and Date Book:

Keep track of appointments. At the press of a key, you will be able to review your appointments for a day, week, or month. You can produce calendar printouts.

Memo Pad: This mini-word processor lets you write yourself important notes. You can print them out or save them onto disk.

Name and Address List: Keep track of important names and address (phone numbers too). List are easily sorted by fields.

Phone List and Auto Dialer: You can search through your phone list (or your name and address list) for the number you want, and automatically dial the number for you. (An auto-dial modem is required).

Calculator: A multi-function calculator with an optional "paper-tape that prints out your calculations on your printer.

Label Maker: Using this feature and your name and address list, you can create mailing labels quickly without leaving the software program you are working with. You can also print your complete address file or individual ones.

Screen Printer: At the press of a key, the text (not graphics) on your computer display will be duplicated on your printer. This allows you to take a "snapshot" of your computer display while you're using one of your other software programs.

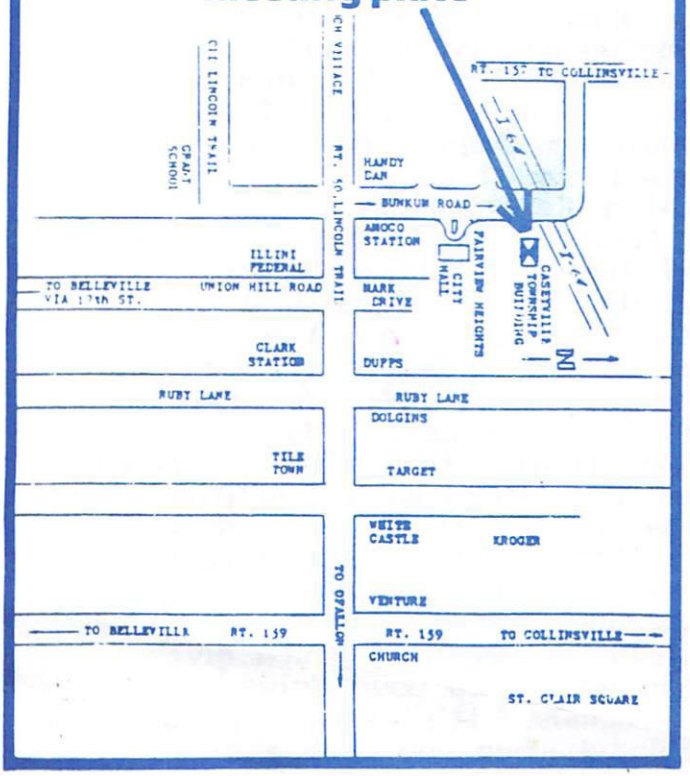
I find this cartridge to be one of the best I have for my C128. The 128 version is for the 80 column screen only. It works with very program I have such as: The Write Stuff, Fontmaster, Multiplan, Consultant, etc. The PARTNER 64 also works with everything I've tried such as: Flexidraw, Print Shop etc. The features are the same for both versions.

There is SwiftDOS which gives you access to your drive commands. It's especially helpful when you need a formatted disk and you're uin a program that doesn't allow you to format one. Press a key and it freezes your program while you format a disk. You can scratch rename, or use any of the other disk drive commands. Sequential files from The Write Stuff and Fontmaster (or any other) can be loaded into The Memo Pad or the Address and Phone List. I made a sequential of my club files in Consultant and dumped them in the Address List. That saved a lot of typing and means I can access names and phone number in a hurry, whether I'm in some other program or not. I use the Memo Pad to access help screens for various programs. It's a real time saver.

If Timeworks ever offers it again at a group rate, I highly recommend that you buy it. Even a full list price, I would find it a great bargain.

By Ed McCormick - San Fernando Valley Commodore Users Group.

Gateway Computer Club meeting place



GCC Directory

Next Meeting:

Oct. 18, 1989

Next Exec. Bd. Meeting:

Oct. 25, 1989 - 7 p.m.
(T.B.A.)

Next Copy Session:

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

GATEWAY COMPUTER CLUB
P.O. Box 1839
Fairview Heights, IL 62208

Volume 6 | Oct., 1989 | Number 10

Check your dues date!

First Class

Bits & Chips

of the Gateway Computer Club

Volume 6 Nov. , 1989 Number 11

ELECTION 1989

Well here we go again ! It seems like just a year ago this month that I was elected President of the Gateway Computer Club , you know it was a year ago this month that I was elected , and you know what that means , yes it's election time again ! The candidates thus far are Juanita Welker for President , Earl Salmons for Vice-President , Bertha Koerper for Secretary , Ken Welker for Treasurer , Dick Koerper and Larry Briggs for Editor , Everett Truttman for Librarian with Ken Jeffres and Jim Tomlinson running for the two Member-At-Large positions.

A quick glance should let you know that the only actual race being run at this time is between Larry Briggs and myself with everyone else running unnopposed . But fear not , it is not too late for you to run for office or nominate someone else to run .

L. I. N. C. EXPO

L.I.N.C. Expo , well if for some reason you were unable to attend , don't worry about it you didn't miss much . The demonstration of the bulletin board service that they showed was a lot like a local board one of our former members (he moved away) Terry Aaron used to run , but without the colour and graphics capabilities . Terry ran his on a C-128 , L.I.N.C. is on an I.B.M. (what can I say) . The guest speakers they had were interesting (at least the first one was , the second one could have been if he were talking to a group of editors and not a group of computerists). All in all I came away with a feeling of of total let down and a question , did the system seem poor because it is , or did it seem poor because in an evening that was supposed to be dedicated to introducing this on-line service , no one ever got around to mentioning it .

Graphics Demonstration

Recently I view a video tape on computer animation and was extreemly impressed by it . Enough so that if I can arrange it I am going to bring it to the meeting in November so after the election anyone who wants to can see it . But in order to see it you'll have to bring your power cord and a portable T.V. (preferable colour) to View it with . Amazing viewing .

Reports

THE CLUB

The Gateway Computer Club is a not-for-profit organization of like-minded Commodore computer users. Membership fee is $15.00 per year. Members received access to the club's public domain library, educational programs, literature and monthly "Bits & Chips". Direct all membership applications and questions to the Gateway Computer Club c/o P.O. Box 1839, Fairview Heights, IL 62206. Only public domain programs are kept in the G.C.C. library. Reproduction of copyrighted software is not promoted nor condoned by the G.C.C. and will not be tolerated at club functions.

THE OFFICERS

PRES:Rich Koerper.....452-5110
VP:Jim Tomlinson.....624-3872
SEC:Earl Salmons.....397-5029
TREAS:Ken Welker.....234-5901
LIBR:Rick Keller.....345-7207
EDITOR:Bertha Koerper..452-5110
MAL:Dan Deutschmann....588-4721
MAL:Everett Truttmann632-4735
MAL:Pat Langa.....242-0282
MAL:Bill Broda.....533-0140

BITS & CHIPS

Please direct all submissions and advertising to editor Bertha Koerper, 109 Wilson Park Lane, Granite City, IL 62040. Camera-ready advertising must be received by the first of the month to be included in the issue of the month. Rates are as follows: Full Page - $15.00, Half Page - $7.50, Quarter Page - $3.75, and Business Card - $10.00 for 6 months.

Contents of the "Bits & Chips" may be reprinted by other club newsletters if accompanied by the author's name and credit is given to the GATEWAY COMPUTER CLUB. The G.C.C. assumes no liability for errors in articles or advertisements.

TRESURER'S REPORT
by Ken Welker

Balance 10-1-89
$986.31

Income
Soda_____$6.75
50/50_____$1.00
Blank Disks_$77.50
Dues_____$60.00
D.O.M._____$47.00
Total_____$192.25
Expences
Newsletter_$27.40
Hall Rent__$50.00
Flowers____$25.00
Total_____$102.40
Balance 11-1-89
$1076.16

Mr. Harold D. Copperman, President & Chief Operations Officer
Commodore Business Machines, U.S.
12001 Wilson Drive
West Chester, PA 19380

During the past year or so there has been increasing speculation that Commodore intends to discontinue production/support of its 8-bit computers, the C-64 and C-128. These rumors have been fueled by scarcity of equipment (*e.g.*, ram expansion units and 1571 disk drives) as well as by the absence of any emphasis on these machines in Commodore displays at major industry expositions.

We realize that some users want or need the additional power and sophistication of the Amiga and PC clones. For many of us, however, the C-64 and/or C-128 (with the very fine software developed for it over the years) do everything that we require of a computer, and we would be most unhappy to see these dependable and useful machines become extinct and their support/replacement items dry up.

We therefore urge in the strongest terms that, as you undertake the direction of Commodore's U.S. operations, you firmly commit the company to continued production and adequate support of the C-64 and C-128. If such support by the parent company is impracticable, we urge your careful consideration of the proposal for an aftermarket support company along the lines suggested by Loren Lovhaug in Issue #23 of *Twin Cities 128: The Commodore 128 Journal* (article enclosed).

Respectfully submitted by the undersigned members (and associated well-wishers) of the Gateway Computer Club
(user group name & address)

YOU KNOW THE STORY

NOW IS THE TIME TO

MAKE A DIFFERENCE

LETS GET THESE PETITIONS

SIGNED , SEALED AND

MAILED DIRECTLY TO

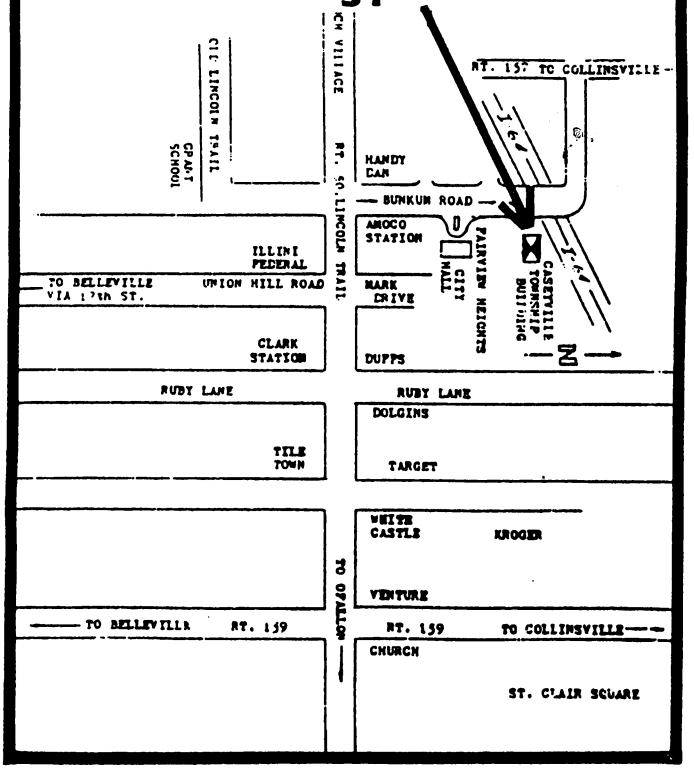
MR. HAROLD COPPERMAN

C.B.M. U.S.

1200 WILSON DRIVE

WEST CHESTER, P.A. 19382

Gateway Computer Club meeting place



GCC Directory

Next Meeting:

Nov. 15, 1989

Next Exec. Bd. Meeting:

Nov. 22 , 1989 - 7 p.m.
To be announced

Next Copy Session:

Visitors Always Welcome

At Meetings

Meetings are held the third Wednesday of every month at the Caseyville Township Hall, 10010 Bunkum Road in Fairview Heights

GATEWAY COMPUTER CLUB
P.O. Box 1839
Fairview Heights, IL 62208

Volume 6 | Nov. , 1989 | Number 11

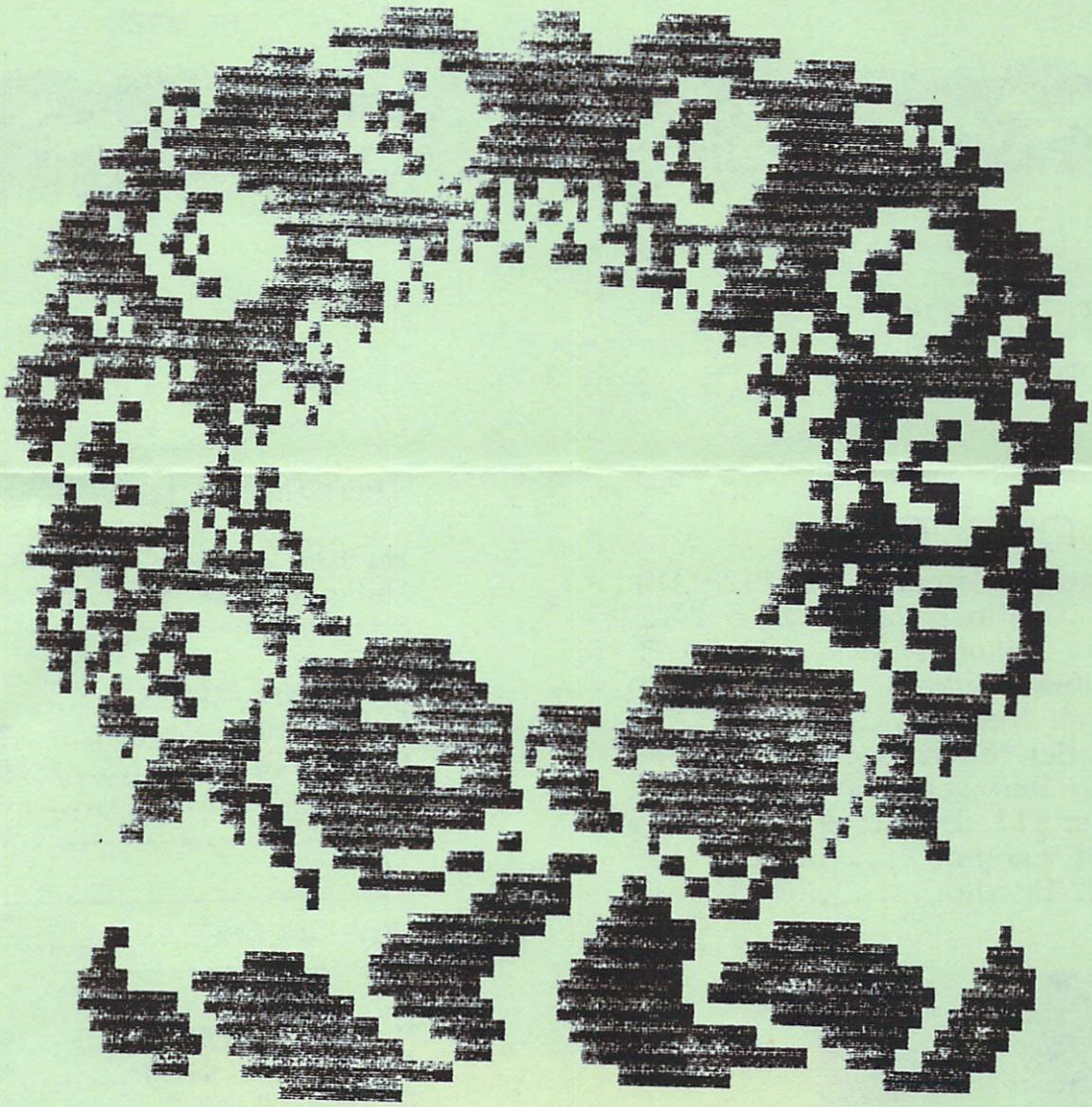
Check your dues date!

First Class

Bits & Chips

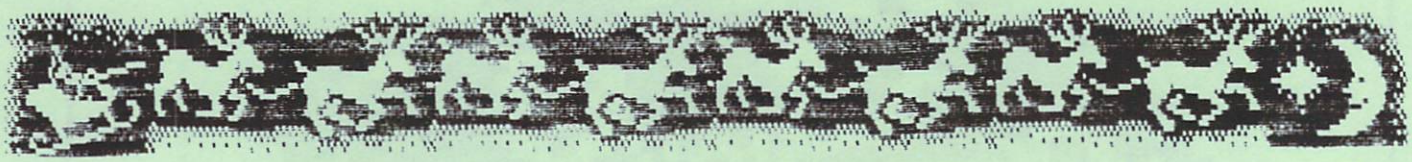
of the Gateway Computer Club

Volume 5 Number 1



Well here we are . this could very well be my last official article as the President of the Gateway Computer Club . For that reason I am going to keep it short and sweet . I have enjoyed this last year . even with all it's frustrations . and can only wish Juanita and all the other officers the best of luck . I also sincerely hope they can do a better job than I in motivating the members to be involved .
On a lighter note . don't forget this meeting is the annual Christmas party . so bring your cookies (2 dozen I believe) your families and even yourselves and join in on the fun . I believe there will even be a visit from the jolly old elf himself. Again Merry Christmas .

THE PREZ



We would like to welcome to the club Tony Wening . and remind Chester Bolinger . Rick Keller . Nathan Price and Terry Renaud that it's time to renew .

THE OFFICERS

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MAL:Bill Broda.....533-0140

TREASURER'S REPORT

By Ken Welker
Balance Nov. 1, 1989. $1076.16

I		
N	D.O.M. SALES.....	$ 59.00
C	BLANK DISKS.....	$ 44.75
O	MEMBERSHIP.....	$ 60.00
M	50/50.....	$ 8.00
E	SODA.....	$ 5.50

NOV. INCOME.....$200.85

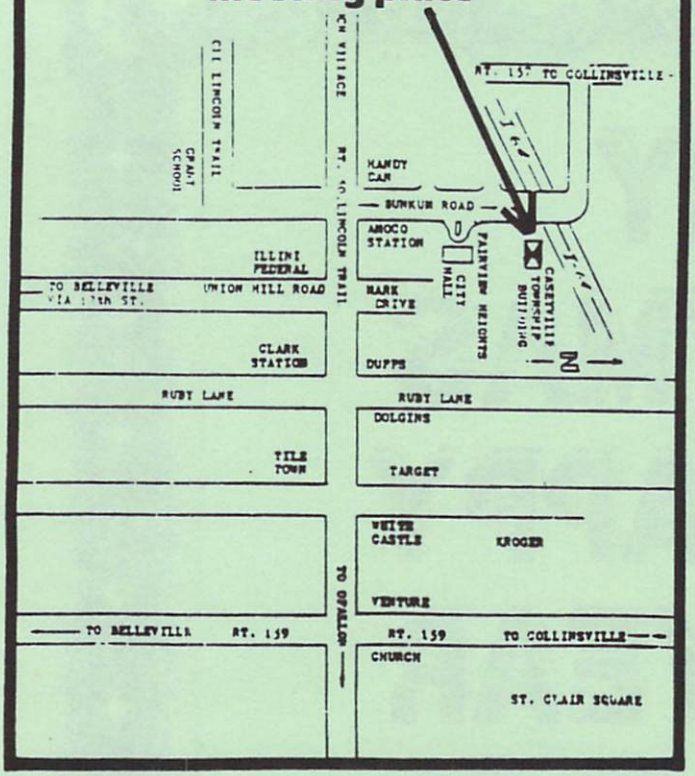
E		
X	BLANK DISKS.....	$ 258.50
P	POWER STRIP.....	$ 6.00
E	DOWNLOADS.....	$ 46.93
N	TAX PROGRAM.....	$ 50.00
S	Q S ALLIANCE.....	$ 10.00
E		

NOV. EXPENCES.....$ 371.43

CURRENT BALANCE.....$881.98
AS OF DECMBER 1, 1989

MERRY
CHRISTMAS
AND HAPPY
NEW YEAR
FROM THE
STAFF AT
BITS AND CHIPS
BERT AND
DICK

Gateway Computer Club meeting place



GCC Directory

Next Meeting:

Next Exec. Bd. Meeting:

(At Denny's Restaurant)

Next Copy Session:

Visitors Always Welcome

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GATEWAY COMPUTER CLUB
P.O. Box 1839
Fairview Heights, IL 62208

ST. LOUIS, MO
OCT 19
1989

Check your dues date!

First Class